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For Retailer, Wholesaler and Manufacturer

MARCH 19 1960



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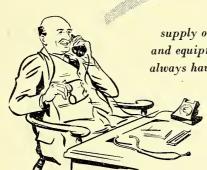
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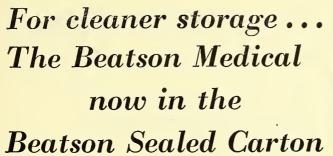
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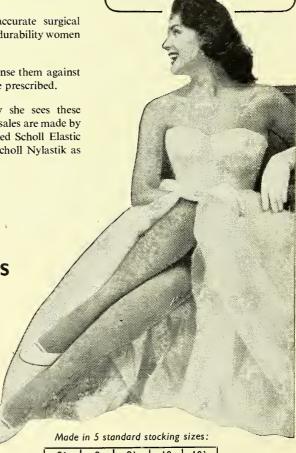
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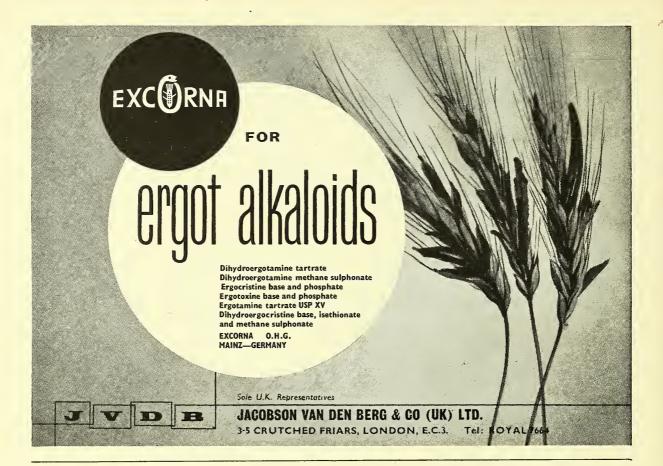
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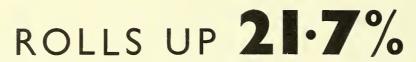
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YOU ARE LOSING GOOD BUSINESS

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* This is how sales went up in 1959



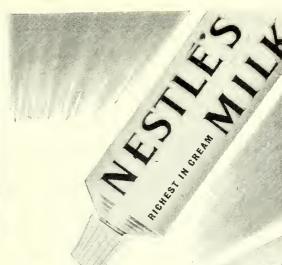




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7-7-3

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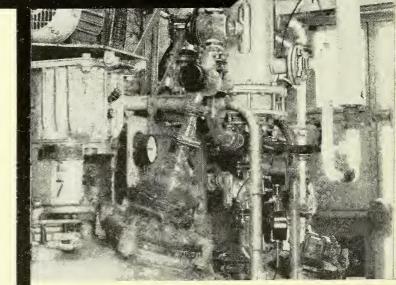
The steel shell is completely coated for protection against weak acid solutions when washing through, and outside, against atmosphere which eliminates painting and enables a permanently clean appearance to be maintained.

THE POWELL DUFFRYN CARTRIDGE CONDENSER

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Leaflet No C.11/59 gives full information.



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THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 173

March 19, 1960

No. 4179

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When they showed Spree to me I thought 'What a wonderful idea'. Fruit Squash that extra profit line — but in a sachet. Two most popular flavours — orange and lemon. Spree has advantages over bottled squash the length of my arm. Saves time, space and work. Sells straight off the counter! Really heavy advertising — TV, the lot, behind it. The kids will love it at 4d. a go. So will the adults! My tip is to get on to Isleworth 1266 and get going with Spree! Pick up that 'Phone—and 'Phone! **Advertising starts March 20**

SPREE FRUIT SQUASH IN A SACHET: NEW PRODUCT OF POULTON & NOEL LTD. SELLING AGENTS: PEPSODENT LTD. ISLEWORTH. MIDDLESEX. ISLEWORTH 1266 52-7250

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Volume 173

MARCH 19, 1960

No. 4179

Iron-dextran

WITHDRAWN FROM GENERAL USE

AFTER discussions with the Ministry of Health, Benger Laboratories, Ltd., have decided to suspend the sale for general use of Imferon. This follows the publication of an article in the *British Medical Journal* (March 12) drawing attention to a carcinogenic hazard that might exist following administration of iron-dextran.

The article was based on a report by Haddow and Horning (Journal of the National Cancer Institute, 24. 1.) in which the carcinogenicity of iron-dextran was demonstrated in the mouse and rat but only through the use of massive doses. The company's decision was made known in the following statement:

An article has appeared in the medical Press stating that there is a possibility of cancer being caused by the administration of this drug. Benger Laboratories point out that this statement is based exclusively on experiments with mice and rats. No evidence is offered that the results apply to man.

Scientists at Benger Laboratories have been carrying out experiments with this drug for seven years and are satisfied that in clinical practice the drug is harmless.

Over a period of six years more than one million patients are estimated to have been treated with this drug. It is widely recognised as a highly effective treatment for iron deficiency. About 100 published scientific papers pay tribute to its value. As far as Benger Laboratories know,

As far as Benger Laboratories know, there has never been any evidence of cancer developing in man by the use of this drug. It is their opinion, shared by many experts, that those patients who have received Imferon at any time need have no fear of cancer as a result.

have no fear of cancer as a result.

Nevertheless, in view of the alarm which has been created, the manufacturers have felt it their duty to inform the Ministry of Health that they have decided to suspend the sale of the drug for general use, pending an independent re-examination of all the available evidence.

Poisons Rules

MODIFICATIONS TO PROPOSED CHANGES

THE Home Office announce that, pending consideration of representations received, the proposed changes in the Poisons List and Poisons Rules recently announced (C. & D., February 13, p. 165) are being modified as follows:—

Guaiphenesin (Respenyl) and nialamide will not be added to the Poisons List.

No change will be made in the existing form of control of the active principles of pituitary gland and suprarenal gland. Mr. R. A. Butler, in a reply in Parliament on March 13, stated that he hoped to introduce legislation to give effect to the other recommendations of the Poisons Board from April 1.

Prescribers' Notes

SINGLE DRUGS RECOMMENDED

THE recommendation that it was often better to prescribe drugs separately rather than in combination, so that the doctor could give the drugs in "such proportions as his clinical experience and judgment indicate as suitable for each individual case," appeared in the January issue of *Prescribers' Notes*. It was pointed out that some preparations contain two or more potent standard constituents and although each was individually of proved therapeutic value the predetermined dosage, which was necessarily a feature of those prepara-tions, might not suit all types of cases. Reference was also made to prepara-tions which contain "some of their numerous ingredients in quantities so small that their presence has little therapeutic justification." Practitioners were urged to think carefully whether a simpler alternative would not be preferable "to this form of polypharmacy. The point was also made that the

phrase "freely prescribable" in advertisements did not free the doctor from justifying the use of costly drugs, should his prescribing costs be under investigation, nor could he rely on it if any question arose as to whether the preparation could properly be regarded as a drug. There was also a note on Cycloserine and a reference to preparations for the treatment of dyspepsia. A table was included showing the composition and cost of a number of preparations. Finally, examples were quoted of names which when badly written had given rise to errors in interpretation.

European Trade

TARIFF DISCRIMINATION PROPOSAL

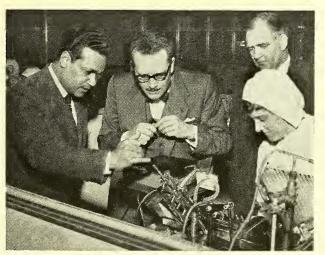
MINISTERS of the "Outer Seven" meeting in Vienna recently decided to put before the twenty-nation trade talks in Paris at the end of this month a firm proposal that the internal tariff cuts to be made by each of the two European trading groups on July 1 should be extended to each other and to all G.A.T.T. countries. Such an extension could be provisional for eighteen months, dependent on the outcome of G.A.T.T. talks due in Paris in the autumn. The "Seven" made it clear that they would regard the proposal for a speeding-up of the Rome Treaty timetable (see C. & D., March 12, p. 296), as a "hostile act" by the "Six."

Price Maintenance

NO DECISION YET BY GOVERNMENT

RESALE price maintenance was a subject about which strong views were held on both sides, said Mr. R. Maudling (President of the Board of Trade) speaking at the annual luncheon of the Drapers' Chamber of Trade on March 15. The Board of Trade was studying

all aspects of the problem, and until it had heard evidence from both sides no action would be taken.



PAKISTAN VISITOR
AT DAGENHAM: On
the same day that an
agreement was signed
in Pakistan by May &
Baker, Ltd., and the
Pakistan Industrial Development Corporation
(see p. 314), Dr. C. K.
Reheem, representing
the High Commissioner for Pakistan,
visited the company's
works at Dagenham.
Dr. Reheem (left) is
seen inspecting an ampoule filling and sealing
machine.

Advertising of Drugs

A GERMAN ATTITUDE

A STATEMENT on the advertising of drugs and medical products has been published by a committee of the West German advertising organisation Zentralausschuss der Werbewirtschaft (ZAW). The report is intended as a reply to one prepared by the West German Ministry of the Interior. While recognising the right of the State to take action by putting limitations on advertising in cases where health is endangered, the ZAW report rejects general legal prohibition The State should not have sweeping powers, but only the right to intervene in specific instances. The statement points out that it is not the duty of the authorities to protect people from the consequences of their own decisions and that official attempts to encourage people to consult a doctor, rather than buy advertised medicines runs counter to official policy of saving doctors unnecessary work. The fact that doctors were not allowed to operate on a patient without his knowledge and consent was ample evidence that the public's right to decide for itself was respected in law. Socalled abuses in medicinal advertising could be dealt with by existing legal provisions, claimed the report. Consumers who were free to decide whether they would or would not consult a doctor in the event of minor ailments must be kept informed of the latest medicinal aids open to them-and for that purpose advertising was essential.

Fleming Memorial A GARDEN AT HIS BIRTHPLACE

A MEMORIAL garden to Sir Alexander Fleming, discoverer of penicillin, is being officially opened at Darvel, Ayrshire, on April 23, by Professor Robert Cruickshank (chair of bacteriology, Edinburgh University) who was for some years a colleague of Dr. Fleming at St. Mary's Hospital, London. The garden will contain a bronze bust of Sir Alexander, who was born at Darvel and was its first (and only) freeman, A commemorative fund of £5.000, subscribed by the people of Darvel and certain pharmaceutical firms manufacturing penicillin, has provided a prize fund for the duces of Darvel school, which Sir Alexander attended; a portrait by Grace Wheatley for the countrait by Grace Wheatley for the

Retail Sales

BOARD OF TRADE STATISTICS

cil chamber; and a plaque and memorial at Lochfield.

RECENTLY issued Board of Trade figures show that sales of chemists' goods by independent retailers in December 1959 were 42.4 per cent. higher than in November 1959 and 4.4 per cent. higher than in December 1958. Multiple retailers' sales were 51.5 per cent. higher in December 1959 than in November and 7.7 per cent. higher than in December 1958. Sales by Co-operative societies were 37.8 per cent. higher in December 1959 than in November 1959 and 8.6 per cent. higher than in December 1958. The

figures do not allow for receipts under the National Health Service.

IRISH NEWS

THE REPUBLIC

Air Crash

PHARMACIST IN RESCUE OPERATIONS

A PHARMACIST, Mr. T. F. X. Corbett, M.P.S.I., Newmarket-on-Fergus, co. Clare, figured prominently in rescue operations when an Italian airliner crashed one minute after take-off from Shannon airport recently. Mr. Corbett, who lives about two miles from the scene of the crash, was one of the first to arrive at the scene, and rendered what assistance he could. Later, a fellow rescuer handed him a packet, which Mr. Corbett recognised as containing phials of Pantopon [Omnopon]. Mr. Corbett, realising that they were dangerous, immediately handed them over to the local police, and then telephoned the registrar of the Pharmaceutical Society of Ireland (Mr. J. G. Coleman) suggesting to him that there was a possibility that other potentially dangerous drugs might still be found in the vicinity. Mr. Coleman immediately contacted the Commissioner of the Gardai and as a result of his representations a wireless message was broadcast appealing to anyone who might find drugs or tablets at the scene to hand them over without delay to either the Gardaí or local chemists. The air company established that no drugs were being consigned on the plane and it later transpired that the drugs were the property of one of the passengers.

Electron Microscopy

ITS USES IN BIOLOGY

PROFESSOR J. B. Gatenby (Trinity College, Dublin) gave a lecture on "The Electron Microscope in Biology" under the auspices of the Irish Pharmaceutical Students' Association at the College of Pharmacy, Dublin, on February 24. He described how even perfect slides mounted with osmium tetroxide or potassium dichromate, viewed through ordinary microscopes, showed only some of the processes of cell formation. With the electron microscope, however,

a magnification of 1,500 was obtained. The electron microscope used a magnetically focused electron beam and could give a magnification of 40,000. Very thin sections were required to allow the electrons to penetrate, and the nuclear structures of cells could then be investigated. Dr. R. F. Timoney (dean of the College) in joining in the tributes to the lecturer referred to the investigation of complex protein molecules using the electron microscope, and said that Professor Gatenby had succeeded admirably in conveying his points.

A Control Laboratory?

QUESTIONS IN THE DAIL

IN the Dail on March 1, Dr. N. Browne asked the Minister for Health if he was aware that the president of the Pharmaceutical Society of Ireland had recommended the establishment of a pharmaceutical control laboratory, and if so, whether the Minister had taken any action. Mr. S. MacEntee replied that he was not aware that the president of the Pharmaceutical Society had recommended the establishment of a pharmaceutical control laboratory although he (the Minister) had seen a Press report of a statement attributed to him in October 1959 when a Customs duty was imposed on certain imported medical preparations. That report had mentioned that there was no bureau of standards for drugs in the Republic, "I am at present giving urgent consideration to the question of the provision of a service of this type, which a pharmaceutical control laboratory could provide," the Minister added. (See also p. 318).

IRISH BREVITIES

THE REPUBLIC

A PAPER on "Aspects of the Control of Biological Products in Industry" is to be presented by Dr. P. Cannon (professor of pharmacology, University College, Dublin) at a debate in the College of Pharmacy, Dublin, at 8 p.m. on March 23.

THE annual meeting of the Irish Pharmaceutical and Medical Representatives' Association is to be held at the College of Pharmacy, Shrewsbury Road, Dublin, at 8.30 p.m. on March 25.



CORK DINNER AND DANCE: A group at the annual dinner and dance of Cork Chemists' Association held on February 24. From the left: Mr. H. P. Corrigan (president, Pharmaceutical Society of Ireland), Mrs. M. McAuliffe, Mr. J. J. Joyce, Mallow (chairman of the Association), Mrs. Corrigan, Mrs. Joyce, Mr. M. Power, Limerick (a member of the Society's Council).

NEWS IN BRIEF

CAPTAIN H. Leighton Davies (assistant managing director, Steel Co. of Wales, Ltd.) is succeeding Lord Monckton as chairman of the Industrial Welfare Society.

THE Pharmaceutical Society of Great Britain has sent £500 to the Société Pharmaceutique de l'Ile Maurice for the benefit of pharmacists who have suffered damage as a result of the recent cyclone in the island.

THE existing import duties on Rauwolfia vomitoria root and root bark and on spearmint oil have been removed by an Order published as S.I., 1960, No. 381, effective March 14. The order also reduces the duty chargeable on camera pistol grips.

In response to a request from the Moroccan Ambassador in Washington, U.S.A., Parke, Davis & Co., Ltd., on March 7 shipped to the League of Red Cross Societies, Casablanca, a consignment of medical supplies, including 20,000 Chloromycetin capsules and 300 vials of tetanus antitoxin.

BURTON-ON-TRENT Executive Council is protesting to the Local Government Commission against a proposal to "demote" Burton from county borough to municipal borough. It would mean, says the Council, that health services would then be provided by the Executive Council for the county.

THE Kefauver subcommittee (see C. & D., March 12, p. 282), is recalling Dr. Austin Smith (president, American Pharmaceutical Manufacturers Association) for further cross-examination at another round of hearings to be arranged so soon as the Senate proceedings allow. The subcommittee is putting forward evidence by a number of doctors known to be critical of the pharmaceutical industry.

In a report last week (C. & D., March 12, p. 285) of an inquiry by the Statutory Committee of the Pharmaceutical Society into an illegal sale of strychnine, it was stated that Mr. M. A. Polden "appeared for the company and superintendent chemist." In fact Mr. W. R. Fitch spoke on behalf of the company and the chemist under instructions from Mr. Polden. It is also regretted that Sir David Cairns, Q.C. (chairman) was later referred to, in one instance, as "Mr." Cairns.

An eight-page supplement of the Financial Times, March 14, contained articles on pharmaceuticals and the drug industry by Messrs. E. W. Carey (president, Association of British Pharmaceutical Industry); F. L. Rose (research manager, pharmaceuticals division, Imperial Chemical Industries, Ltd.); C. W. Robinson (pharmaceutical development director, Evans Medical, Ltd.); A. W. Bull (assistant director of research, Boots Pure Drug Co., Ltd.); J. C. Hanbury (chairman, Allen & Hanburys, Ltd.); Drs. T. H. M. Kerfoot (director, Thomas Kerfoot & Co., Ltd.); D. W. Adamson (research director, Wellcome Foundation, Ltd.); and W. A. R. Thomson (editor, Practitioner). Sir Arthur Vere Harvey, M.P., writes on the "Swiss Influence in Britain" and Sir Hugh Linstead on "Health Service Expenditure."

TOPICAL REFLECTIONS

By Xrayser

From Galen to Fleming

In his article giving reminiscences of thirty-seven years of pharmacy at University College Hospital (C. & D., February 20, p. 204) Mr. F. H. Newman does much more than span three or four decades. In fact, he could truthfully have chosen for his title "Pre-Galen to post-Fleming," for that is the period covered by the drugs he mentions: rhubarb—probably known medicinally for 4,000 years; camphor with its Dutch monopoly in the seventeenth century; aniseed and fennel, known to the ancients. And not only does Mr. Newman span the centuries—he encircles the globe, with nux vomica from the Far East, strophanthin from Africa, gentian from Middle Europe, calumba from the "dark continent," senega from across the Atlantic, senna from ancient Egypt. And it is not surprising, compassing the earth and embracing the ages, that we read of blisters and plasters, fresh infusions, leeches and, with the passage of time, lysol, mercuric cyanide and iron tonics. So to insulin, sulphanilamide, penicillin and cortisone. So does Mr. Newman take into retirement the most practical kind of history—a knowledge gained from a personal experience in which the wisdom of the ancients gave place to the science of the laboratory. And all of that in the incredibly short time of thirty-seven years! It is vitally important that he should have recorded his experience, for his generation has witnessed a transition unequalled in any similar period of history. To the irreverent youth of today, people like Mr. Newman and myself ought to wear skull caps and sit in a back room cluttered with retorts and presided over by an alligator. But we are not contemporaries of Galen, or Diascorides, or Simpson, or Liebig. We just happened to have lived, pharmaceutically, 2,000 years in the space of one short lifetime—a point we are sometimes inclined to overlook.

Examination Candidates

In the recent report on the 1959 examinations, the Pharmaceutical Society's board of examiners in Scotland (C. & D., February 27, p. 200) refers repeatedly to the need for entrants to read questions carefully before attempting them. ("Attempting" has always seemed to me a somewhat discouraging verb to use on examination papers—but I have never sat on a board of examiners, nor had the experience of correcting papers, if "correcting" is the right word.) It is no new complaint that candidates fail to read the questions carefully, and many reasons may be adduced for such failure. There is the natural nervousness of the candidate; there is the thought that, while one reads carefully, fellow candidates have already filled a page, and the scratching of busy pens makes the careful reader feel he is dropping behind in the race. The atmosphere is not conducive to "quiet, calm deliberation." But it undoubtedly helps if the student takes time to find out what is asked before beginning a rapid assault. Arithmetical mistakes also figure in the report, and probably always will. The clock is a hard taskmaster, and the candidate usually feels he is falling behind. That the same human faults appear with such regularity indicates that the mental approach to the examination room does not alter with the years.

Forensic Pharmacy

In the report referred to in the preceding paragraph, the statement is made that the standard attained in the forensic pharmacy examination continued to fall. The difficulty experienced by candidates is, in my opinion, due to the fact that the subject is really a practical one. The apprentice of old usually had five or six years' experience of pharmacy before attending college. In that period he was, if properly trained, given experience in the recording of Dangerous Drug transactions, and was taught the requirements of the different schedules as a part of his everyday work. It sometimes occurs to me that, in addition to withholding the certificate pending evidence of practical training, the examination in forensic pharmacy should be taken following the practical training. A proper sense of the value of the laws affecting pharmacy is acquired in the correct atmosphere, where indifference is dispelled and carelessness penalised.

HORMONE CREAMS AND ROYAL JELLY

Tests by Consumers' Association

TESTS by Consumers' Association, Ltd., are claimed to have shown that a hormone cream does not have any rapid and marked improvement on the skin. The results of the tests are given in the February issue of Which? (monthly official journal of the Association). One of the more widely known and readily available brands of hormone cream was used which contained 2,500 i.u œstradiol benzoate, 200 members of the Association were asked to co-operate in the tests and were given instructions for daily application and asked to return a report after three weeks and six weeks. All participants were told they were using a hormone cream—100 of the 200 were, in fact, using a dummy, a similar cream, made up by CA, but containing no hormones. In the results, there was no significant difference between branded hormone cream and CA's cream, and about half the subjects thought that the tested cream—whether the hormone or CA's—was more beneficial than ordinary creams. The Association claims that its test "showed that the hormone cream tested did not have any rapid and marked improvement on the skin; nor is there any conclusive published evidence that estrogenic hormone creams, in the quantities and concentrations normally used, are any better than ordinary face creams. Therefore, we see no reason for buy-ing them." Reporting on the Association's assessment of anti-perspirants and deodorants, Which? comments that on the whole they did the job they were claimed to do and were not excessively priced.

In the March issue of Which? the Association report on tests on royal jelly preparations. The Association claims that advertisements for such preparations tended in general to be vague and unspecified. The conditions which they were said to benefit included general fatigue, hypertension, degeneration of the arteries, disturbances of circula-tion, insomnia, inability to concentrate, digestive weakness, malnutrition, obesity, and lack of sexual vigour. Many of the advertisements implied that at least some of the extraordinary properties of the royal jelly were due to the nutrients, especially the vitamins it contained. But, Which? says, there was no reason whatever to think that the vitamins contained in the daily dosages of any of the existing royal jelly preparations were likely to have any effect on man—between 2,000 and 50,000 daily doses would be necessary to obtain the amount of B-group vitamins needed daily. Which? found it was true that royal jelly contained some B-vitamins in higher amounts than many other foods. But nevertheless, one 4-oz. helping of liver would still provide at least 400 times as much pantothenic acid as a day's dose of the best royal jelly preparation. An analysis made of one royal jelly preparation and beer, showed that one pint of beer contained about thirty times as much thiamine, forty times as much riboflavine and pantothenic acid, and 400 times as much

nicotinic acid as a daily dose of the royal jelly preparation. According to Which? claims made for the rejuvenating effect of royal jelly in cosmetics could be disregarded.

Conclusions drawn by Which? were: "There is no evidence, either theoreti-

cal, or from published practical tests, that any of the existing preparations of royal jelly produce any effect other than can be easily achieved with any other expensive material which the customer believes will do him good. In our opinion, royal jelly can be added to the long list of magic substances which, since the beginning of history, human beings have persuaded themselves will make them younger and more beautiful."

NEED FOR RESEARCH ON ADDICTION

Tenth report of expert committee

"DRUG addiction is an international public health problem of great magnitude, and research in that field has not had the degree of support commensur-ate with its importance." That statement appears in the tenth report (H.M. Stationery Office, price 1s. 9d.) of the Expert Committee on Addiction-producing Drugs. The Committee strongly urges that research on narcotic action and other aspects of drug addiction should be strengthened and expanded. Topics on which it suggests that work could profitably be enhanced or initiated include basic investigations into the mechanisms of action of addicting drugs and of drug addiction; epidemicology of drug addiction (about which, the Committee states, almost nothing has been done); controlled evaluations of programmes for the treatment of drug addiction; development and calibration of methods of assessing addiction liability in animals; and clinical evaluations of new drugs for their analgesic action, liability to cause side actions, and development of tolerance and physical dependence under conditions of clinical use. The Committee also suggests that codified information on all aspects of drug addiction should be made available. On the subject of narcotic drugs in first-aid kits of aircraft engaged in international flights, the Committee considers that morphine should not be given orally; that a morphine antagonist (e.g., nalorphine) should be carried; and that ampoules of morphine should contain only 10 mgm. of the drug. In an annex to the report details are made known of attempts to dissociate the three properties of narcotics (analgesic activity, other morphine-like properties, and physical dependency potency) by a study of levophenacylmorphan and phenazocine.

BRITISH PHARMACEUTICAL CONFERENCE

Preliminary programme for Newcastle-upon-Tyne meeting

THE preliminary programme of the 1960 meeting of the British Pharmaceutical Conference, to be held at Newcastle-upon-Tyne, September 5-9,

Monday (Sepember 5).—At 10 a.m., coffee in the city hall; at 10.45, opening session and address by the chairman of the Conference in the city hall; at 2 p.m., ladies' excursion to the Roman wall; at 2.30, science session in King's College; at 8.0 for 8.30, civic reception and dance in the Old Assembly Rooms.

TUESDAY (September 6).—At 9.30 a.m., professional session in the city hall; at 9.30, science session in King's College; at 9.30, ladies' excursion to Durham; at 2.30 p.m., science session in King's College; at 2.30, ladies' excursion to river Tyne; at 7.0 for 7.30, Conference banquet in the Empress ball-room, Whitley Bay.

WEDNESDAY (September 7).—At 9.30 a.m., science session in King's College; at 1.45 p.m., Conference excursion to Alnwick and district.

THURSDAY (September 8).—At 9.30 a.m., symposium session in the city hall; at 9.30, ladies' excursion to Blanchland; at 2 p.m., sports at Gosforth; at 7.30,

theatre visit (optional).

FRIDAY (September 9).—At 9.30 a.m., professional session in the city hall; at 9.30, science session in King's College; at 9.30, ladies' excursion to Whitley Bay; at 2.30 p.m., science session in King's College; at 3.45, buffet tea in the city hall; at 4.30, closing session in the city hall; at 8 for 8.30, Conference ball in the Oxford Galleries.

TICKETS.—Books of tickets (Monday-Friday inclusive) are £5 10s. each. Day tickets are being issued for the events of any one day, if accommodation is available, at £2 2s, for Monday, Wednesday, Thursday, or Friday, and £1 1s. for Tuesday. Banquet tickets are available separately at an additional charge of £2 2s. each. The banquet tickets are limited and may be purchased by holders of books of tickets or holders of day tickets for Tuesday. A limited number of places are available for men on the ladies' excursions on payment of an additional charge.

ACCOMMODATION. — Accommodation has been reserved in the Eustace Percy hall of residence and at hotels in the city. Applicants are asked to give details of their requirements on the appropriate form on receipt of which arrangements are made for their accommodation. Because the Local Conference Committee must confirm the reservations which they have made by July 1, they are unable to guarantee accommodation applied for after that date.

APPLICATIONS. — Application for tickets and accommodation should be made on appropriate form obtainable from the Conference honorary general secretaries, 17 Bloomsbury Square, London, W.C.1, and from the honorary local secretary. Completed forms, together with remittances (made payable to B.P.C. Newcastle Committee), should be sent to the honorary local secretary (Mr. A. McGuckin, Mawson & Proctor, Ltd., Low Friar Lane, Newcastle-upon-Tyne, 1).

NEW PRODUCTS AND PACKS

An Antibiotic in Capsules.—Abbott Laboratories, Ltd., 8 Baker Street, London, W.1, announce that, for patients who prefer taking capsules to taking tablets, they have introduced Compocillin VK (CVK) capsules in strengths of 125 and 250 mgm.

A Medicated Shampoo.—D. & W. Gibbs, Ltd., Hesketh House, Portman Square, London, W.1, have launched a new medicated shampoo, Clinic, in sachet and bottles of two sizes.

Spring Fragrance. — Revlon International Corporation, 86 Brook Street, London, W.1, are launching a new product, "Aquamarine fragrance," for day or evening use and "so right for spring and summer clothes." "Aquamarine fragrance" is available in 2-oz. and 4-oz. sizes and as a spray mist.

Turtle-oil Soap.—Personality Beauty Products, Ltd., Ashby-de-la-Zouch, Leics, have introduced a new shell-pink turtle-oil soap (in addition to the existing yellow). The pink soap, in distinctive pink carton, is available in toilet and bath sizes. Messrs. Personality are also presenting their hand cream in a handbag-size polythene squeeze bottle in display unit of twelve.

Perfumery Ranges Extended.—Bour-jois, Ltd., 2 Old Bond Street, London, W.1, have added to their Springtime in Paris range a presentation perfume—
"an elegant, sculptured flask in silklined show-off box"—and a purse
flacon. In the Roman Holiday range they have added a perfumed Cologne stick. Messrs. Bourjois are bringing out for Easter a "nestful" of Easteregg soaps, each embossed with a chick. The "eggs" are available in two sizes (bath and guest) and in six spring col-ours (rose pink, April blue, daffodil yellow, apple-leaf green, lilac and lilyof-the-valley white).

Shampoo for Children.—Cullingford of Chelsea (Castle Soaps of Cambridge, Ltd.), Munroe House, Denbigh Street, London, S.W.1, have launched a new shampoo, Sooty, "for children of all ages." Sooty shampoo is packed in an acetate/foil/polythene sachet in three colours and overpacked in a fourcolour counter display carton containing thirty-six sachets. It is claimed to give an excellent sustained lather and thoroughly to clean the hair and scalp in hard or soft water; while if the lather comes in contact with the eyes it does not cause irritation. The packs are

specially designed to appeal to children and each carton bears a facsimile signature of Mr. Harry Corbett, Sooty's originator.

tips, liquifying on contact." It is available in four shades (light peaches and cream, dark peaches and cream, "Sport" and "Heart of Gold," a new



The camellia design which, modified in aspect and colour, now appears on the French Pink, French flowers and French moss products of J. C. & J. Field, Ltd., London, W.1.

Camellias on Packs and Paintings. The French moss, French pink and French flowers ranges of J. C. & J. Field, Ltd., are now emblazoned with crimson, delicate pink, and pale blue camellias respectively. Colour prints of the camellia paintings reproduced on the packs, which are the work of the Australian artist Paul Jones, are available as a free gift to every customer who sends in a leaflet attached to the talcum powder tin or perfume stick. The leaflet, with a one-shilling postal order to cover postage, entitles the sender to one such print (size $12\frac{1}{4} \times 10\frac{1}{4}$ in.) on art paper, and it is understood that from any other source a similar print, if obtainable, would cost at least 21s. unframed. Further prints may be obtained by sending in more leaflets.

Make-up for Summer Evenings.—The latest addition to the range of Silk cosmetics of Helena Rubinstein, Ltd., 3 Grafton Street, London, W.I, is "Silk Film" which "goes on looking lovely until long past bedtime." Most foundations come into the living foundations come into the liquid cream and pan-cake categories. Silk Film is new and different being a compressed cream foundation. No sponge or water is required nor any shaking of the bottle. In use "Silk Film is simply stroked into the skin with the finger

shade claimed "perfect for summer make-up"). Silk Film is being launched in a special introductory pack with free sample box of matching Silk face powder. The offer applies for a limited period only.

Toilet Perfume.—Abbey Parfumerie

Co., Ltd., 7 Oxford Circus Avenue, London, W.1, announce the introduction of Lubin Nuit de Longchamp parfum de toilette, represent-ing "a true dilu-tion of the pure extract, without impairment of the quality of the per-fume." Parfum de toilette is described as totally distinct from eau de toilette, a generic term not specific to any particular make. It is available in



1-oz., 2-oz. and 4-oz. bottles. For a limited period a 4-oz, introductory size is also available. As many people in almost every country were beginning to refer to Nuit de Longchamp, the makers state, by the shorter title Nuit, that word has been given greater prominence in advertising and display material.

Additional Sizes.—J. & E. ATKINSON, LTD., 24 Old Bond Street, London, W.1, have added two sizes of Skinfare to the range—an introductory size and a large jar. The company's Skin Deep beauty cream is reintroduced in a newly designed tube and carton and modern pink light-weight jar at a slight change in prices, and there are additions to the company's Californian Poppy range: a fragrance (eau de toilette) and Pak-a-Soap in outer of three tablets, each in a plastic box.—SHULTON (GREAT BRITAIN), LTD., 160 Piccadilly, London,







Sooty tooth-paste in display outer, Rotopan air freshener and Roto "fresh fragrance"—all by Cullingford of Chelsea.

W.1, offer an additional size of their brushless shaving cream uniform with the previous (larger) size, Display containers are available for the smaller sizes of lather and brushless shaving creams.

Domestic Paper Towels. — Bowater-Scott Corporation, 114 Knightsbridge,

S.W.1, London, are launching in the South of England, and later throughout country, a product Scottowels which has had a successful tryout in the Midlands. Scot-Midlands. towels have the wet - strength feature of the Scott paper products, allowing them to be used with soap and water, oils, liquid polishes and other fluids. The towel is soft and absorbent and its touch on glass, fine wood, leather, silver and painted surfaces does not, cause T h e therefore, scratches. creped texture of the paper makes

the towel pliable in the hand and increases its "wipe-ability." Messrs. Bowater-Scott have designed a special holder for the new Scottowels. Available in white, red, yellow and "aqua" to tone with home decorating schemes, the holders are made from strong polystyrene plastic which does not rust or

become scratched.

**Iron-mould Remover.—William Edge & Sons, Ltd., Bolton, are marketing a new Drummer speciality, Movol, for removing iron-mould from white materials, Movol is presented in a drop-at-a-time polythene tube.

Incontinence Pads.—Robinson & Sons. Ltd., Wheat Bridge Mills, Chesterfield, announce that their disposable absorbent incontinence pads, Inco-Pads, are now obtainable in packets of ten for home use. They were previously available only to hospitals.

Double-strength Orange Drink. — Sunfresh, the orange drink marketed by O. R. Groves, Ltd., 20 Jermyn Street, London, W.1, is now available in a double-strength variety and in an easicr-to-handle bottle. The new product is being launched with national advertising on television and in the Press. The container, besides being easier to handle, occupies less storage space. It provides the same amount of orange drink, when diluted, as the standard-size bottle.

A New Domestic Pack of Herbicide. —Dalapon sodium (sodium 2,2-di-chloropropionate) already recognised in agriculture as a herbicide against grasses, is now available as Dowpon from Dow Agrochemicals, Ltd., 48 Charles Street, London, W.I, in a 4-oz. container for garden use. The selective weed-killer is non-toxic, though irritation to the eyes and skin from spray-

ing may occur if the product is carelessly handled. The eyes should be well washed with water and the skin washed with soap and water immediately after use. Dowpon is used against annual and perennial grasses and has a particular value against couch grass under fruit bushes and in orchards.



Medicated—Tinted—Foil-wrapped.— The new Trust roll of toilet tissue by Jeyes (Sales), Ltd., River Road, Barking, Essex, has a combination of appeals that should make it a heavy seller. The roll has "deep medication



Display and sales container for the new foilwrapped Trust toilet tissues of Jeyes (Sales), Ltd.

in every sheet" yet is without the suggestion of "hospital" that some people fight shy of. The tinted and decoratively printed metallic foil wrapper both prevents loss of medication by evaporation and protects the paper. And the colours—pastel pink and "natural" (gilt) are in tune with current tastes in domestic colour schemes.

Trust is being launched with heavy Press advertising, much of it in colour.



NEW AEROSOL PACKS: Secto ant killer (Secto Co., Ltd., Blackburn). Cooper's ant killer and dry cleaner (Cooper, McDougall & Robertson, Ltd., Berkhamsted, Herts).

A New-size Aerosol.—The Secto Co., Ltd., Shaw Street, Blackburn, Lancs, are issuing their Secto ant killer aerosol in a new 5-oz. size. The product contains dieldrin and is additional to the Secto ant killer preparations at present on the market, namely, the Secto ant killer powder press gun and Secto ant killer liquid. The new product ranks in the range for bonus.

"Barrier" Cream for Furniture. — The new 1001 barrier cream of P.C. Products, Ltd., Allerton, Bradford, Yorks, is a silicone cream for furniture



and cars producing a barrier against bloom and finger-marks. The pack is a wide-mouth jar.



MILITARY BRUSH SET: The "Guardsman" military brush set (No. 806P) by Spa Brushes, Ltd., Chesham, Bucks, presents a pair of matching mylon-filled hairbrushes with two-tone laminated backs. The set is available in combinations of ivory, black or tortoiseshell in decorated acctate presentation pack.

TRADE NOTES

Scottish Agents.—Radiol Chemicals, Ltd., 78 Upper Richmond Road, Lon-don, S.W.15, have appointed Donald Macaulay, Ltd., 22 King Street, Tron-gate, Glasgow, C.1, their exclusive agents for the whole of Scotland.

South London Distributors. - A round-the-clock service in the supply to pharmacies of pharmaceutical specialities and dispensing sundries is operated by A. J. Box (Wholesale Chemists), Ltd., 792 Old Kent Road, London, S.E.15 (telephone: New Cross 6581).

Distribution Change.—With the appointment by C. F. Gerhardt, Ltd., Purley Way, Croydon, Surrey, of their own sales force, Walter Crowe, Ltd., cease to act as sole distributors of Pied Piper rodenticide. All orders should be addressed to Messrs. Gerhardt, who also announced recently a reduction in the price of Dethlac insecticide.

Agent in Britain. — United Kingdom agent for the Pharmaceutical and Medical Technical Exhibition, Berlin, June 8-12, is Mr. M. Du Mont, 123 Pall Mall, London, S.W.1, who is also U.K. agent for the Seibt Directory of Medical Appliances, a work of reference containing more than 25,000 classified entries. An English edition is available, price £2 10s.

Reformulated.—Lentheric, Ltd., 17 Old Bond Street, London, W.1, have reformulated their special skin food, claimed "the only nourishing cream to make use of the beautifying, skinwhitening, skin feeding properties of milk." The new formula is understood to increase the emollient and moisturising effect of the cream and the ease with which it is absorbed by the skin.

Stocks for Emergencies. — The Crookes Laboratories, Ltd., Park Royal, London, N.W.10, have made arrangements whereby John Bell & Croyden, 50 Wigmore Street, London, W.1, hold at that address small stocks of Crookes antihæmophilic globulin (porcine) to meet emergency demands out of ordinary business hours from hospitals and regional blood centres.

Wholesaling Service in Canterbury.-Claude Duval, Ltd., who recently opened new wholesale premises at Bolts Hill, Chartham, Canterbury, specialise in the distribution of sundries, toilet products, counter lines and fancy goods. They operate a van and representative service in the whole of the county of Kent. Orders may be sent by post or telephoned to Chartham 391.

National Launch.—" Pretty Feet," National Launch.— Fletty 1000, the "magic roll-off lotion that makes hard, rough skin disappear," is now being made available to chemists throughout the country. The manufacture of the property of the prope turers are Smith & Nephew, Ltd., Bessemer Road, Welwyn Garden Herts, who report that the product has proved an outstanding success in the London and South-east England areas in which it was originally launched.

INFORMATION WANTED

Salts of Life Coryzium (Hartleys) Rupta-brace (Nealbourne, Ltd.) Rupta-plast (Nealbourne, Ltd.)

Tour Prizes for Customers. — The illustration here shown is of point-of-

Wrights

COMPETITION

LUXURY COACH TOURS

TAKE O

Global

sale display material available to the trade for the Wright's coal - tar soap consumer competition organised by Wright Layman & Umney, Ltd., 42 South-wark Street, Lon-S.E.1. The don. competition, which terminates on April 14, is arranged in conjunction with Global Tours, It offers to the major winners a prize of Contirange nental holidays, each for two people. In addition there are seventyfive consumer con-

solation prizes and trade cash prizes for all retailers named on the entry forms of the major prize winners as the source of supply. The entry forms are available at pharmacies from the counter display pieces. The entrant has to rearrange in order of merit the seven main features of the product, attaching a wrapper from a tablet of Wright's coal-tar soap to his entry form.



PAINES & BYRNE, LTD., Pabyrn Laboratories, Greenford, Middlesex. Hipsy rose-hip syrup. 5 per cent. on order for 2 doz.; 10 per cent, on order for 4 doz, and over.

PHOTOGRAPHIC NOTES

"Big Brother" to the Sporti.—Ilford. Ltd., Ilford, Essex, announce that they are introducing in February an Ilford super Sporti camera, the "big brother of the Sporti. Of the same shape and size as that popular model, the new camera uses the same sort of films and has the same view-finder and pushbutton release, but is fitted with extras to give more photographic scope (three exposure settings instead of two, achromat lens, and a special mechanism which prevents another picture from

being taken until the film has been wound on).

Cine Camera Prices Down. - Big reductions in the price of Bauer cine cameras have been announced by Neville Brown & Co., Ltd., 77 Newman Street, London, W.1. The cameras affected are the Bauer 88D, with triple lens turret, coupled exposure control, four speeds and f1.9 Ronar lens; the semi-automatic Bauer 88B; and the Bauer 88C. The prices of the Paxette model 1/L camera and Ultrablitz Expert 1VA flash-gun are also reduced.

Travelling Photo Fair. — Neville Brown & Co., Ltd., 77 Newman Street, London, W.1, are putting on tour in April an exhibition of their photo products including Paxette still and Bauer cine cameras; Aldis projectors; Ferraniacolor film; and photo accessories. There will be facilities for visitors to project their own transparencies on the latest projectors and screens. The tour begins at the Y.M.C.A., Plymouth, on begins at the Y.M.C.A., Plymouth, on-April 25. The itinerary includes April 26, Bournemouth; April 27, Brighton; April 28, London; May 2, Glasgow; May 3, Newcastle-on-Tyne; May 4, Leeds; May 5, Manchester; May 9, Liverpool; May 10, Birmingham; May 11, Bristol; May 12, Cardiff.

MANUFACTURERS' ACTIVITIES

Quick Help for the Distressed.— Within twenty-four hours of receiving an urgent request from an Executive of the "Save The Children Fund," Merck Sharp & Dohme, Ltd., Hoddesdon, Herts, were able to arrange for a donation of sulphonamide and penicillin products to be placed on board an aircraft leaving London for Morocco following the recent disastrous earthquake.

Laboratory Furniture Flown to Holland.—The complete furnishings, worth over £4,000, for the new clinical laboratory of the Stichting Klinish Chemisch Laboratorium, Rotterdam, Holland, were flown, in "knocked-down" form, with the minimum of packaging, in one aircraft to Amsterdam. The steel benches, fume-cupboards, etc., weighed over 5 tons in all, and were manufactured by Griffin-Grundy, Ltd., a subsi-diary of Griffin & George, Ltd., Alper-ton, Wembley, Middlesex.



INTERNATIONAL CONFERENCE: Directors and managers of the Coty companies of the United States, England, France and Germany attended an international conference at Coty House, Stratford Place, London, W.1, recently. At a cocktail party given in their honour Mr. V. F. Valli (production director, Coty (England), Ltd.) is seen bending over to talk to Mr. Philip Cortney (presi-Internadent. Coty tional Corporation, New York, U.S.A.) who is sitting with Mr. C. F. (sales director, Coty (England), Ltd.).

TELEVISING TO THE RETAILER

Reasons for—and success of—a manufacturer's campaign

EVERY chemist has reason to know the influence of television advertising on retail sales through increased consumer demand. The use of the medium for delivering a sales message to the retailer or wholesaler is a less familiar procedure that one manufacturer has used with singular success.

The products of Kimberly-Clark, Ltd.—the Kleenex, Kotex and Delsey ranges particularly — are known throughout the trade. In connection with a sales drive for Delsey products the company developed a method of television presentation that brought together manufacturer, wholesaler and retailer, with results that also, indirectly, aroused the interest of consumers.

"Our main objective was to increase distribution of our product," Mr. R. M. Carpenter (marketing director, Kimberly-Clark, Ltd.) recently told THE CHEMIST AND DRUGGIST. "Delsey toilet tissue was gaining ground in the com-paratively new field of soft, absorbent type toilet tissues. To increase sales further we had to increase distribution without disorganising our whole sales force, which was already fully extended handling other successful Kimberly-Clark lines. For once the trade Press could not help us, because, for production reasons, it was necessary to conduct our sales drive on a regional basis. We had to find a way of getting in to see our wholesalers and retailers and say to them 'These are the advantages of this Delsey product to yourselves and to your customers.' We also wanted to demonstrate a new and unique type of display case. Television was the one way open to us of speaking to every wholesaler and chemist in the country, region by region."

Once that was recognised it was agreed that the campaign should consist of a two-minute introductory commercial launching the sales drive, followed by a pattern of 30-second and 15-second commercials aimed at both trade and consumer, and featuring the Delsey product advantages.

Marketing Director Speaks

For the two-minute introductory message it was decided that a member of the Kimberly-Clark organisation should appear so as to present the company's story to the retailers and wholesalers.
"In the event, I as marketing director, was chosen," said Mr. Carpenter. "Personally I welcomed the opportunity of speaking to the trade because it is one of my strongest beliefs that we can work best together when we know each other, and this television appearance would be a step in the right direction even though a rather one-sided one!

"We realised quite early that it was not enough just to make our 'commerput them on the screen and trust to luck, and took care to ensure that as many as possible of the people we wanted to reach were told beforehand what we were going to do, and how and when we were going to do it. Well before the commercials were due to appear in a region, representatives of the trade—especially wholesalers—were



Still from the television sequence.

invited to visit the local television station. There they were taken round and allowed to watch a show in rehearsal. Then they were shown the new television 'commercial,' and given an explanation in detail of the plans for the sales drive. As a result, the wholesalers were able to prestock to meet the anticipated retail and consumer demand. The next step was to start within the region a heavy direct mail campaign to the trade

giving dates and times when the 'commercials' would be transmitted. In that way every part of the trade was alerted for the increased demand that was confidently expected. And those who prepared were not disappointed. When the 'commercials' went on the air there was a chorus of 'gimmick,' but it was a gimmick that worked! As a result of the campaign Delsey sales doubled and in some television areas even trebled! Overall there was a 75 per cent, increase in sales—or over one and a half million more rolls sold. The crowning success from the manufacturer's point of view was the wider distribution achieved for Delsey."

Since then Messrs, Kimberly-Clark have made another two-minute "commercial," and once again the merchandising possibilities have been thoroughly exploited. The indications are that the second campaign will be equally successful. Its content was of partieular interest for it consisted of an unscripted discussion between Mr. Carpenter and an actual retailer of the effects of the earlier Delsey sales drive. Television had brought the manufacturer's marketing director and his retail customer face to face and side by side.

ON SHOW AT INTERPACK

British display at an international exhibition

A NUMBER of new or modified pharmaceutical packs and packaging equipment will be seen on Britain's combined packaging stand at Interpack, Düsseldorf, Germany, April 20–27. The stand, more than 3,000 sq. ft. in area, is a co-operative enterprise between the Board of Trade and the Packaging Centre (United Kingdom agents for the German organisers). It is the most comprehensive national stand ever to be staged by this country at a foreign packaging exhibition.

Among those who have booked space on the stand are the following:

LOMA METAL DETECTORS, LTD., Cherry Tree Rise, Buckhurst Hill, Essex, who, during the past twelve months, have started introducing their products to the European market, will demonstrate the use of their equipment in the packaging of pharmaceuticals and surgical dressings. The new transistorised metal detector, Loma type 1T, has all its components housed in the detecting head, while the 1D type comprises an electronic control unit and detector head. The latter will be mounted on a conveyor suitable for the inspection of small packaged goods and will also be mounted on a stand suitable for use with Hanselli Rostoplast and Superplast machines.

Recently introduced (see C. & D., September 19, 1959, p. 202), a latex-sealing sleeve carton for tablet bottles is to be shown by ROBINSON & SONS, LTD., Chesterfield, Derbys.

SPEEDRY PRODUCTS, LTD., 83 Copers Cope Road, Beckenham, Kent, will be exhibiting their complete range of industrial marking equipment, including specialised inks and applicators for a wide variety of purposes—stencilling on cardboard, wooden cases, glass, steel, plastics, etc. Pharmaceutical exporters can obtain guidance from the

company on such matters as identification, colour-coding and tracing. Speedry's "Magic Marker" dries instantly on any surface.

The fully automatic "Universal" unit packaging machine of IDEAL PACK-AGINGS, LTD., I Shrewsbury Road, London, N.W.10, packs up to 85,000 aspirin units hourly. It combines automatic product feed with unit counting, perforation of tear lines and sheet cutting, and may be used for unit-style packing of liquids, creams and powders as well as small flat objects. The "Simplex," a small unit packer with a maximum output of 120 units a minute, will also be on show.

Of the three labelling and cap-lining machines to be displayed by D. Trapow & Co., Ltd., Queens Road, Barnet, Hertfordshire, the Newman Hefix semi-automatic labelling machine is new-on show on the Continent for the first time. A portable bench model, it applies thermoplastic labels up to 105 mm. square on to containers of unlimited size. The output is fifty a minute. Another labelling machine, model 23A, gums and presses labels of any shape up to 100 mm. square on to containers ranging from lipstick cases to large jars. It has an output of forty a minute:

Another company in the coding and marking field in Sauven Perforating Machine Co., 13 Hatton Wall, London, E.C.3. The company's "Codedge" label-dating machine can code com-plete packets of labels of any shape or size at 2,000 labels a minute.

Plastic haemagglutination trays for clinics and hospitals are among the products manufactured by LUSTROID, LTD., Southdown Works, Kingston Road, Raynes Park, London, S.W.20, examples of which are to be illustrated in a wall-panel display.

Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

Price Maintenance

SIR,—Does it not seem fantastic that the small retailer must be thrown to the wolves in order to keep down the cost of living to a community which blithely shoulders a hire-purchase debt of £857 millions on which the hirers must be paying at least £85.7 millions more than the value of the goods bought?

R. CRAVEN, Clay Cross

Margins

SIR,—I would like to associate myself with the remarks of Mr. Banks (C. & D., March 5, p. 252). I wrote to the firm in question registering my strong objection to their reduced margins of profit, but they have not even acknowledged my letter. That surely speaks for itself.

A. C. WITHERS, Clacton-on-Sea

[Mr. Withers subsequently received a reply on the lines of the company's letter below.]

"Overall" Advantages Maintained

SIR,-We were sorry indeed to read recently in your correspondence column an adverse reaction to the trade terms on the combined products now marketed by this company. May we assure your readers at the outset that, recognising the interests of retail pharmacy, we were most careful throughout our deliberations to ensure that the overall profit to the retail trade under the new terms would be no less than the profit (including bonuses) previously enjoyed under the terms of the individual companies. In fact, the new terms result in a slight financial benefit to retail pharmacy as a whole. Undoubtedly it will be appreciated that the problem of combining the trade terms of the two separate companies was no easy one. While the first reaction, of course, is to the difference in display discounts on the Chas. H. Phillips' products, that has been compensated by the additional discounts on the display parcels accruing to Andrews liver salt and Delrosa. However, the effect on the individual chemist will vary slightly according to his particular volume of business in the individual products. We trust this explanation will help to clear any doubts about the terms, and that our business with retail pharmacy will continue to prosper in the same atmosphere of goodwill as has obtained for so long.

G. W. DAWSON, Sales director, PHILLIPS, SCOTT & TURNER, LID., London, W.3

Student Registrations

SIR,—At the meeting of the Council of the Pharmaceutical Society reported in your issue of March 12 (p. 292), Mr. E. A. Brocklehurst expressed concern that there were sixty vacant places in colleges throughout the country. Why the surprise? Does not this gentleman

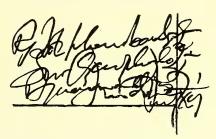
know that the number of new student registrations dropped from 1,081 to ninety-nine in two years (1957-58), i.e., since the introduction of the three-year course and "degrees for all pharmacists"? At the same meeting, Mr. Maplethorpe (chairman of the Education Committee) admitted that the figure of 4,000 students "in the pipeline," modified after a further check to 3,800, includes all pre-academic trainees and those doing post-graduate apprenticeship! May I suggest a further check to see if, in the figures announced, there were included all younger students in possession of a Boy's Own Chemistry Outfit? The concern expressed by Mr. Brocklehurst is nothing compared with the concern felt by the fifty-one hospitals and the 125 persons who cried out for qualified help in the Society's journal last week (the figures exclude requests for locums). much longer are we to tolerate this state of affairs? At the Branch Representatives' meeting in London in May next, members will have an opportunity of showing their disgust and approving a remedy suggested by the Reading and Berkshire Branch of the Society. I refer to the resolution calling for a simpler, more suitable examination for the exclusive use of retail pharmacy. It is preposterous that a handful of men with little or no knowledge of retail requirements should do permanent damage to retail pharmacy by insisting on academic standards vastly in excess of the actual requirements at a time when hundreds of worn-out pharmacists are crying (in vain) for help. **PATRIX**

Channels of Information

SIR,—I have just received a letter from a firm telling me that if I sit round the television set on Sunday I can learn of their new product. I have written to tell them of the various standard means by which they could have let me know for, after working over fifty hours a week, I have no yearning to sit round a "telly" waiting for such news.

M. ROBINSON, Water Orton, nr. Birmingham

CAN YOU READ IT?



SENT in by a Cardiff pharmacist, the portion of a prescription here reproduced has been much simplified, because the overlap of a previous entry and a further entanglement with the prescriber's signature below, were whited out before the block was made.

Comments on Quarterly Price List

I Have been looking through No. 1 of Volume 1 of the Quarterly Price List which I received this morning. What a gigantic task you undertook in preparing it and what a tremendous service it will be to retail pharmacists! Many years ago I used to prepare Price Lists for overseas chemists in India and Burma, obtain advertisements, have the list printed here and shipped to them. That was some job, but child's play to the material in your Quarterly List! I congratulate you and your staff on this production. I am afraid the retailers who will benefit by it will have no conception of the thought, the labour and the expense in producing it.—H.L.

I HAVE just received your Quarterly Price List No. 1 and would like to thank you for such an excellent publication and all the hard work that has gone into producing it. This Price List fills a definite need, which is a good thing in itself, but it is the planning and method of presentation that will bring it the esteem and appreciation of the busy pharmacist.—F.H.

We received our first copy of the Quarterly Price List and thought that you might like to know the staff's reaction. Our feeling is that this will be extremely helpful. We like the amount of information given, the alphabetical order regardless of manufacturer and the large indication letters at the top of each page . . . —L.W.F.

Many thanks indeed for the Quarterly Price List: a very valuable and greatly appreciated service. We already find the weekly price changes most invaluable for reference and this list will complete the job . . —R.J.B.S.

I THANK you for the Quarterly Price

List received earlier this week. I am sure this will prove most useful. I shall be pleased to know if you contemplate some kind of binder for this . . — E.W.

I CONSENTED to take the C. & D., in order to receive your "wonderful" Price List. What a list!! It contains no V— or P— products, no E.— Disgusted.—M.T.D.

I HAVE just made the acquaintance of THE CHEMIST AND DRUGGIST Quarterly Price List and hasten to say thank you for yet another aid to the business side of the pharmacist.—H.S. WE thank you for sending us a copy

We thank you for sending us a copy of The Chemist and Druggist Quarterly Price List. We are sure we shall find this most useful.—D.A.H.

VERY many thanks for the Price List and congratulations on it.—E.S.

N.H.S. STATISTICS

In ENGLAND during November 1959, 16,668,105 prescriptions (10,945,544 forms) were dispensed at an average cost of 82-81d. per prescription.

In England during December 1959, 16,371,562 prescriptions (10,677,320 forms) were dispensed at an average cost of 85.48d. per prescription.

NATIONAL HEALTH SERVICE

Supplementary estimates debated

INTRODUCING a supplementary estimate of £23,586,640 for N.H.S. in England and Wales on March 14. MR. DEREK WALKER-SMITH said that three main items comprised the greater part of the estimate. They were: Hospital revenue, £13,800,000; pharmaceutical services, £5,700,000; and the purchase of poliomyelitis vaccine, £1,600,000. Advances to hospital boards vaccine. on revenue account constituted over half the gross expenditure in the National Health Service, and over 60 per cent, of that was for wages and The basic estimate salaries. £381,138,000 and the revised estimate was £394,913,000, an increase of £13,775,000, of which £10,900,000 was for pay increases to nurses and midwives

More Prescriptions

For the pharmaceutical services the basic estimate was £60,173,000 and the revised estimate £65,857,000, a gap of £5,684,000. That was due to the increase in the number of prescriptions and an increase in their average cost.

The original estimate for 1959-60 was framed in the autumn of 1958 and based on an expectation of 205 million prescriptions, but due to the influenza epidemic there were about 10½ million more prescriptions than anticipated during the first nine months. That indicated a total of 217 million

prescriptions for the year.

Mr. Derek Walker-Smith said it was always difficult to assess the number of prescriptions in advance, and in ten years they ranged between 202 and 229 millions a year. The original estimate of the average cost of a prescription was 6s, 8d., but it was now thought that 6s. 10 1/5d, would be nearer the mark. There was no doubt that the introduction of increasingly complex, and consequently costly, new drugs had been the predominant feature in the year's increase. "But, of course, there are roundabouts as well as swings. There are the obvious social and humanitarian advantages derived from these new drugs. But, in addition to that, new remedies-the antibiotics, the corticosteroids, and the new cardiac benefit the remedies and so on national economy as well as the individual well-being, because they make it possible for people to be treated at home instead of having to go to hospital, and they shorten the duration of illness and promote the economic efficiency of the community thereby."
Dealing with the measures taken to control the drug bill, the Minister referred to the final report of the Hinchliffe Committee, and stated that action had been taken on practically all the recommendations, including the circularising of more information to doctors about the economic aspects of prescriptions. A notice had been sent to doctors in which the importance of limitation of quantities was prominently featured.

Cost investigations in 1955 established that profits for unbranded stan-

dard drugs were not unreasonable, and there was no reason to suppose that the position had changed since then, "I think that in the field of standard drugs competition keeps prices reasonable, though, of course, I keep the position under review." The Minister then referred to the agreement for the price regulation of proprietary preparations, now being reviewed. "It is a complex problem especially as the pharmaceutical industry is of considerable importance, going beyond the provision of drugs for the Health Service. It has, for example, an excellent export record of more than £40 millions in 1959." Furthermore, notable advances in drugs had flowed from the substantial £5 millions research programme conducted by the industry. In view of those factors the Minister considered that policy must have regard to two basic points: to obtain drugs at reasonable prices and to provide conditions favourable to research and development in the industry.

Following an inquiry into the payment to chemists for standard drugs, certain price adjustments had been introduced. In various ways the Ministry was seeking to contain the costs of the drug bill, but Mr. Derek Walker-Smith emphasised "We must not be so mesmerised by increases in costs that we overlook the great benefits conferred not only for the cure of disease, but in the promotion of health."

There had been an increase in the rate of acceptance by young people of polio vaccination that necessitated increased purchases of vaccine.

Opposition Views

Dr. EDITH SUMMERSKILL, from the Opposition benches, said that in 1956 proprietary drugs accounted for 36 per cent. of the drug bill. It now stood at 70 per cent., and the average cost of prescriptions has risen from 4s. 4d. in May 1956 to the newly announced figure of 6s. 10d. The majority of proprietary preparations fell into categories classified by the Cohen Committee as not therapeutically superior to standard preparations. She claimed that the cheaper standard drugs would not have the unfortunate side-effects that resulted from some proprietary drugs, which had never had "adequate clini-cal control in this country." DR. BARNETT STROSS asked if Dr. Summerskill had read an editorial in the British Medical Journal stating that injections of a proprietary drug of iron and dextran intramuscularly injected had been shown conclusively to be carcinogenic in effect in animals, but was still being sold for human beings, DR. SUMMERSKILL said she had read the article. Mr. Kenneth Lewis said that the drug was prescribed by medical people. The Minister did not prescribe the drug, though he might pay for it. That was a matter of medical prescription and criticism should be directed to "the medical people and not to the Minister." Dr. Summerskill then referred to the "revelations at the hear-

ings of the United States Senate antitrust and monopoly subcommittee on the price of drugs." She said "While the Senate subcommittee is investigating the activities of American firms, those firms for the most part have established themselves in Britain and are adopting the same business methods here. In fact, a great part of this £5-million supplementary estimate, which the committee is being asked to vote tonight, will go into the pockets of the American subsidiaries in this country. In the United States this business has become a sordid race after profits, with the result that many drugs are now beyond the reach of those who need them most—the aged, the sick and the disabled." Dr. Summerskill stated that the Arthritis and Rheumatism Foundation had told the subcommittee that "greedy quacks in the patent medicine business bilk arthritis sufferers of \$250 millions a year." pharmaceutical industry in Britain maintained a small army of "detail" men who marched from doctor to doctor extolling the virtues of the 400 new drugs marketed annually. The scientists who worked in the laboratory did not enjoy the vast profits, which were shared out "among the parasites who infest this industry today."

"Like a Witch's Brew"

SIR MALCOLM STODDART-SCOTT asked Dr. Summerskill how much of the £5 millions referred to drugs of which she was speaking. Dr. SUMMERSKILL replied that nobody could say precisely which drugs people in this country had consumed. They could only analyse the situation broadly on the figures before the Committee. Lists of new drugs produced that month, "some of them read like a witch's brew," were manufactured by the same people who were called to give evidence before the Senate committee. Expensive drugs were put on the market without clinical trials, and few doctors knew their real therapeutic value. Prescribers' Notes "gets absolutely lost in the vast amount of advertisements and leaflets which reach doctors." She asked whether the time had not come to examine the prescribing of the specialists. Antibiotics accounted for 25 per cent. of the drug bill. Their cost for the past six months in one hospital with 500 acute general cases was £3,474. Tetracycline accounted for £1,593 of that. "Could we know whether tetracycline prices are coming down?" The six months' total for corticosteroids was £4,375. The price of that drug was held until material was brought in from Italy a year ago, when the American manufacturers were compelled to cut the price by 50 per cent. MISS EDITH PITT (Parliamentary Secretary to the Ministry of Health), referring to the iron-dextran preparation, said that it was first subjected to extensive animal tests and, when it appeared safe, released for clinical trial. Over the past five years, an enormous number of patients had been treated with the preparation and,

apart from a local staining reaction at the site of injection, no side-effects or toxic reactions had been reported. The subsequent investigations on animals by other doctors had involved the use of "most massive doses," proportionately far higher than were ever likely to be used clinically on humans. She added "In any event, this carcinogenicity seen in animals will not necessarily be followed in human subjects, and it remains simply as a warning. The doctors have been given that warning in the medical Press, so that few can be unaware of it. It must be left to the practitioners in each case to assess the benefits and conceivable risks, and to decide for themselves whether to embark on such treatment."

Turning to prices and the U.S. manufacturers, Miss Pitt said that for the most important drugs U.S. prices were about twice as much as those charged in Britain by the American subsidiaries. The Ministry was interested in the American Senate subcommittee investigations, but it was "clearly necessary to have full information not only of the charges made against the drug firms, but also of their replies to those charges." The American firms criticised by Dr. Summerskill helped considerably in the production of drugs in this country, and had made major contributions to exports. The cost of tetracycline had undergone a reduction of 10 per cent, in May 1959. The voluntary price regulation scheme agreed with the Association of British Pharmaceutical Industry had produced about 300 price reductions. Miss Pitt

IN PARLIAMENT

had not completed her reply when the

debate ended in accordance with Standing Orders.

THE dyestuffs industry, which previously enjoyed complete protection as a result of the virtual prevention of importation is to experience competition because there was a tariff on, instead of, a quantitative restriction of, imports and because it would face the repeated reductions in the tariff on dyestuffs from the European Free Trade Association. That statement was made by MR. F. J. ERROLL (Minister of State, Board of Trade) on March 8, when the House approved the Import Duties (General) (No. 1) Order 1960.

Poliomyelitis Vaccine

COLONEL BEAMISH asked the Minister of Health the cost to date of vaccination against poliomyelitis and what he estimated would be the cost in 1960. MR. DEREK WALKER-SMITH (Minister of Health) in a written reply on March 11 stated that about £6 millions had so far been spent on the purchase of poliomyelitis vaccine for England and Wales and the further cost of supplies for 1960 was estimated to be about £1.7 million. The expenditure incurred by local health authorities could not be separately calculated.

Fowl Pest

In reply to a question by SIR RICHARD NUGENT, on March 14, MR. JOHN HARE (the Minister of Agriculture, Fisheries and Food) announced the intention to appoint a committee of in-

quiry to review the arrangements for dealing with fowl pest in Great Britain, and to advise whether any changes should be made in the light of present scientific knowledge.

Purchase Tax on Soap

On March 9, MR. G. NABARRO asked the Chancellor of the Exchequer if he was aware that bath salts were charged with purchase tax at 50 per cent, and perfumed soap at 25 per cent, whereas household soap and detergents were free of such tax though frequently used for toilet purposes in view of their cost; and whether he would not impose a lower rate on toilet soap so as to enable all persons to maintain appropriate standards of cleanliness without undue discomfort, and whether he would also remove the tax of 12½ per cent. on soap holders not designed to be built into walls.

MR. A. BARBER (Economic Secretary, Treasury): "I find it difficult to believe that people who use household soap for toilet purposes do so to their own undue discomfort, but in any case I cannot anticipate the Chancellor's Budget."

Sulphate of Ammonia

Answering MR. F. T. WILLEY, on March 10, MR. ERROLL (Minister of State, Board of Trade) said that an application for the removal of the import duty on sulphate of ammonia was being considered.

LEGAL REPORTS

Guilty on Three Charges

A THIRTY-YEAR-OLD housewife (Mrs. Mary Manson, Belfast) said in a statement read recently at Belfast custody court that she could not do without Durophet capsules. She pleaded guilty to forging a doctor's signature on a prescription for Durophet capsules, uttering the prescription and attempting to obtain the capsules by means of the forged prescription. The statement added that she had secured a blank prescription form about two months previously and kept it until she made it out for the capsules. She was fined 10s. on each charge and bound over to keep the peace for twelve months.

COMPANY NEWS Previous year's figures in parentheses

ASPRO NCHOLAS, LTD.—A third quarterly dividend of 8½ per cent. is announced.

WILLOWS FRANCIS, LTD. — An interim dividend of 5 per cent, (same) is announced.

LENTHERIC, LTD.—Mr. Eric R. Greenstreet has been appointed to the board.

IMPERIAL CHEMICAL INDUSTRIES, LTD. — Field Marshal Sir William Slim has been appointed a non-executive director.

PROTEA HOLDINGS, LTD., Cape Town, South Africa.—Mr. D. J. Kinlay, M.P.S., has been appointed to the board of the company and its subsidiaries.

BRITISH CHROME AND CHEMICALS, LTD. (a member of the Associated Chemical Companies group).—

Mr. W. H. Coates has been appointed a joint managing director.

NEWTON, CHAMBERS & CO., LTD. — A final dividend of 11½ per cent., making 17½ per cent. for 1959 (against 16 per cent. previously), is announced. The group trading profit rose from £1,243,610 to £1,404,711 and the net profit from £436,601 to £558,097.

FISONS, LTD.—The company's offer for the shares of the British Drug Houses, Ltd., was withdrawn at the close of business on March 9. Messrs. Fisons claimed that a "substantial" acceptance was received, but not sufficient to amount to control.

BRITISH SCHERING, LTD.—Mr. Walter A. Broom, B.Sc., F.R.I.C. (the company's advisory pharmacologist) has been appointed development controller of the British Schering group of companies and a director of British Schering Research Laboratories, Ltd.

KEY GLASSWORKS, LTD. — The new year has opened under most promising conditions with sales and production well up on the same period of last year, reports Mr. L. R. Gale (chairman). In the absence of any industrial or other setback to affect demand, the factories should be fully occupied for many months ahead. The company plans to enter the plastics market, and the preliminaries are under way.

GNOME PHOTOGRAPHIC PRODUCTS, LTD.—Application has been made to the Cardiff Stock Exchange for permission to deal in and for quotation for all the company's issued Ordinary shares. The authorised capital is £250,000 in 2,500,000 Ordinary shares of 2s. each, of which £150,000 has been issued and fully paid. Net profits, before tax, for the year ended May 31, 1959, amounted to £55,600. In the opinion of the directors the profits for the current year should be not less than £80,000, in which case the intention would be to propose a dividend of not less than 15 per cent, for the year.

BORAX (HOLDINGS), LTD. and F. W. BERK & CO., LTD.—An offer made on behalf of Borax (Holdings), Ltd., for the 20,000 issued Ordinary shares of Spencer Chapman & Messel, Ltd., has been accepted in respect of over 99 per cent. of such shares and is unconditional. The price offered for each share was £75 10s. payable in cash, making a total of £1,510,000 for the £20,000 Ordinary shares. Borax (Holdings), Ltd., have agreed to sell 45 per cent. of the shares acquired to F. W. Berk & Co., Ltd., at the same price. It is the intention of the two purchasing companies that Spencer Chapman & Messel, Ltd., and its subsidiary, Theodore St. Just & Co., Ltd., will continue as chemical manufacturing companies.

BUSINESS CHANGES

D. TRAPOW & CO., LTD., have removed to Queens Road, Barnet, Herts (telephone: Barnet 9666).

THE Farnham offices of Skol Products, Ltd., are being closed and the company is to cease operating as a separate trading concern after having been amalgamated with Scott & Bowne, Ltd., 50 Upper Brook Street, London, W.1.

THE FRAGRANCE BUREAU (an account of Elizabeth Anderson, Ltd.), is removing on March 25 to 7 York House, Upper Montagu Street, London, W.I (telephone: Ambassador 8182).

Appointments

PLASTIC WELDINGS, LTD., London, W.3, have appointed Mr. Dennis J. Goch their general manager.

EVANS MEDICAL, LTD., Speke, Liverpool, announce that Mr. A. E. Jones has left to join Evans Medical (India) Private, Ltd., Bombay, and that Mr. E. J. Randall has been appointed hospital sales representative for East and North Scotland and North-east England.

DURAZONE (SALES), LTD., Lovers Walk, Ballards Lane, London, N.3, announce the following appointments:—Mr. Gordon Grundy, district manager for Central Midlands. Mr. R. C. Young, district manager, for Cornwall, Devon, Somerset and Gloucestershire. Mr. A. T. Armstrong-Stokes, representative for West Birmingham and Shropshire; and Mr. R. Masters, representative for Devon.

E. R. SQUIBB & SONS, LTD., Speke, Liverpool, 24, have promoted the following medical representatives to area supervisors: Messrs. F. N. Buckley (for East Anglia, Essex, Hertfordshire, Bedfordshire and Buckinghamshire); G. E. Edwards (South Wales, West Country, Warwickshire and Worcestershire) and H. D. Matheson (Scotland).

DEATHS

ARNFIELD. — At Eastbourne, on March 14, Mr. Harold Arnfield, F.P.S., aged seventy-three. Mr. Arnfield was formerly managing director of J. C. Arnfield & Sons, Ltd., Stockport, Ches.

BOOTH.—Recently, Mr. Charles John Howard Booth, M.P.S., 321 Ballards Lane, London, N.12, Mr. Booth qualified in 1944.

BROWN.—At St, Mary's Hospital, London, W.2, on March 15, Mr. J. W. Brown, F.A.L.P.A., Bournemouth, a director of Orridge & Co., Ltd., valuers, London, W.C.2, aged sixty-five. Though a director of the company, which he joined fifty years ago, Mr. Brown had taken no part in the business for the past two or three years. He is survived by his widow and a daughter, Angela. The funeral is at the City of London cemetery, Manor Park, E.12, at 12 noon on March 22.

CARSON.—On February 23, Mr. Nathaniel Carson, M.P.S., 16 Applesham Avenue, Hove, 4, Sussex. Mr. Carson qualified in 1922.

CRAVEN.—On February 29, Mr. John Swift Craven, M.P.S., 3 Moorlands Road, Birkenshaw, Bradford, Yorks. Mr. Craven, who qualified in 1900, was apprenticed to Smith & Green, Wakefield. He was in business at Northgate, Cleckheaton, for forty-two years, retiring in 1946. Mr. Craven was for two years president of the old Dewsbury Chemists' Association and for fourteen years a member of the West Riding Pharmaceutical Committee from which he retired in 1948.

FOSTER.—On February 19, Mr. John Raymond Foster, M.P.S., 52 Central Road, Worcester Park, Surrey. Mr. Foster qualified in 1912.

HAMILTON.—On March 7, Mr. David Hamilton, aged sixty-seven. Mr. Hamilton was, during thirty-eight years' service, secretary and latterly chief cashier of Hough, Hoseason & Co., Ltd., Manchester.

HUDSON. — On February 23, Mr. William Alfred Hudson, M.P.S., pharmaceutical chemist, of Brodawel, Llithfaen, Caernarvons, aged seventy-three.

TERRINGTON.—On March 1, Mr. John Henry Terrington, M.P.S., 27 Western Avenue, Herne Bay, Kent, aged eighty-one.

INQUEST

Allergic to Dramamine. — To allay vomiting Mrs. Pearl Irene Brotherhood was prescribed Dramamine tablets. After taking one of the tablets her husband said she seemed quieter. The next morning she was sleeping, breathing heavily, and he did not attempt to wake her. At midday her breathing had stopped. The doctor who had prescribed the pills, Dr. A. D. Egan, was called. He found she was dead. At the inquest recently at Atherstone, Warwickshire, a pathologist witness who performed a post-mortem said the cause of death appeared to be respiratory failure. The drug would have no effect on a normal person, but Mrs. Brotherhood must have been allergic to it. A verdict of "Death by misadventure" was recorded.

PERSONALITIES

MR. R. H. MILES, M.P.S., manager of Beetham & Clark, chemists, New Street, Painswick, Glos, for twenty-two years, has retired.

SIR ALEXANDER FLECK has been appointed president of the Society of Chemical Industry and will be installed at the Society's annual meetmeeting at Bristol in July.

MR. G. G. HAMMOND, M.P.S. (managing director, Bradley & Bliss, Ltd., Reading, Berks), is seeking reelection to Reading town council at the May election.

MR. J. J. THOMAS, M.P.S.. who has been mayor of Sandwich, Kent, since 1950, is not standing again for election this year. Mr. Thomas is at present recovering from a recent operation.

MR. J. L. BROWN, M.P.S., Perth, is standing as a Moderate candidate in the local municipal elections in May. Mr. Brown is the proprietor of a pharmacy at 21 North Methven Street, Perth.

MR. E. C. LAST, M.P.S., 47 High Street, Watford, Herts, who recently completed thirty-six years' service on the Herts Pharmaceutical Committee, is retiring from business. The Committee's appreciation of his long service has been recorded in the minutes.

MR. A. R. ESPLIN, M.P.S., Hillend Road, Arbroath, Angus, formerly chief pharmacist under the board of management for Angus hospitals, is leaving shortly with his wife and two daughters

to live at Cessnock, New South Wales, Australia.

MR. J. M. LANG, M.P.S., London Road, Pakefield, Lowestoft, Suffolk, has accepted an invitation to be the next mayor of Lowestoft. A member of the town council since 1940, Mr. Lang first served as mayor in 1954–55. He was deputy mayor in 1950–51 and again in 1957–58, and on the latter occasion the mayor was Mr. W. H. B. Sanders, M.P.S. Mr. Lang was elevated to the aldermanic bench in 1948.

MR. MICHAEL PERRIN, C.B.E., F.R.I.C., who is chairman of the Well-



Mr. M. Perrin

come Foundation, Ltd., has been appointed by the Minister of Health (Mr. Derek Walker-Smith) chairman of the board of governors of St. B a r t h o l omew's Hospital, London.

MR. HARRY HARTLEY, who was installed Worshipful Master of

the I.S.M.A. Masonic Lodge No. 5009 at the Freemason's Hall, London, W.C.2, on March 11, has been associated for thirty-two years with companies within the Beecham Group as sales manager of Macleans, Ltd., sales director of Harold F. Ritchie, Ltd., and currently as special sales executive with Beecham Foods, Ltd., and Harold F. Ritchie, Ltd. Well known in the drug and grocery trades throughout the country, Mr. Hartley is due to retire from that capacity in November.

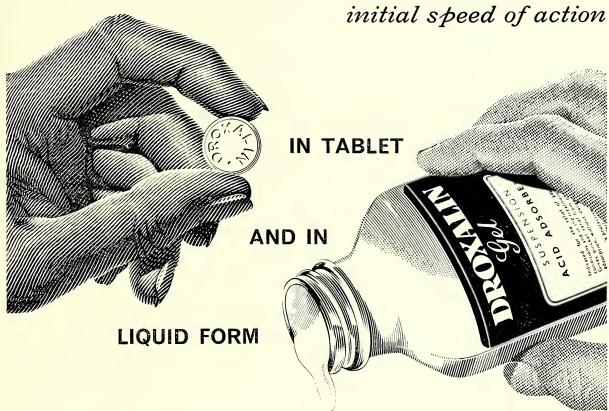
EXPANSION PLANS

PREMIER COLLOID MILLS LTD., Walton-on-Thames, Surrey, recently completed the erection of extensions to their main offices and laboratories planned to centralise the assembly of colloid mills and mixers. Delivery periods have already been considerably shortened and after - sales - service speeded up.

AN agreement was signed on March 8 in Dacca, Pakistan, between the State-sponsored Pakistan Industrial Development Corporation and May & Baker, Ltd., Dagenham, Essex, to form a new company—Pakistan Pharmaceutical Industry, Ltd., and to set up a pharmaceutical plant at Tongi near Dacca. The arrangements provide for the technical training of Pakistani nationals by May & Baker, Ltd., in England and, in addition to their technical services, May & Baker, Ltd., are to license Pakistan Pharmaceutical Industry, Ltd., the use of their relevant patents and trade marks. The land for the factory has already been acquired and it is expected that work on the site will start very soon. Within a few days of the signing of this agreement, May & Baker's assistant director of production (Dr. K. G. A. Cock) and their chief engineer (Mr. R. V. Bradshaw) were to fly to Dacca in order to arrange for work to start on the site.

DROXALIN ACID ADSORBENT

Palatability—plus remarkable initial speed of action



As a consequence of the wide and successful prescribing of droxalin tablets in gastric ulcer, hyperacidity and sickness of pregnancy, a demand arose for a liquid version of the DROXALIN formula.

Introduced in 1958 as droxalin gel this liquid formulation already has made a high reputation and is now widely prescribed.

DROXALIN GEL is remarkable in its initial speed of action, Over the first two minutes, it is as much

as three times as effective as the most prescribed acid adsorbents-Aluminium-Hydroxide or a well prescribed mixture of Magnesium Trisilicate and Aluminium Hydroxide.

This initial speed of action is a potent factor in the management of gastric pain.

DROXALIN produces no acid rebound or other harmful side effects. The well known palatability of DROXALIN tablets is maintained in the Gel.

ACID ADSORBENT

ACTIVE INGREDIENTS

Dried Aluminium Hydroxide Gel B.P.

Magnesium Trisilicate, B.P.

2.5 grains

GEL One teaspoonful (3.5 mls) contains 60 grains Aluminium Hydroxide Gel B.P. (equivalent to 5 grains Dried Aluminium Hydroxide Gel B.P.) and 5 grains Magnesium Trisilicate B.P.

DOSAGE

TABLETS In gastric ulcer: 2 to 4 tablets, chewed,

every 2-4 hours. In hyperacidity and Sickness of Pregnancy; 2 tablets as required.

GEL In gastric ulcer; one or two teaspoonfuls half an hour after meals. Repeat as necessary. In hyperacidity and Sickness of Pregnancy: one or two teaspoonfuls as required

PACKS AND PRICES

TABLETS in Hygienic film strips of 6, in cartons of 30 and dispensing packs of 504, Basic N.H.S. cost 2/2d for 50 tablets.

GEL 8 oz. and 80 oz. bottles, Basic N.H.S. cost 2/2d

CLINICAL TRIAL SAMPLES ON REQUEST TO:

PHILLIPS, SCOTT & TURNER, LTD · 179 ACTON VALE, LONDON, W.3

A new preparation!



Puromyn

FOR THE PROPHYLAXIS AND TREATMENT OF INFECTIONS OF THE MOUTH AND THROAT

PUROMYN is a palatable formulation employing the established bactericidal action of neomycin sulphate together with a new fungicide — bis-(2-hydroxy-5-chloro-phenyl) sulphide, which has been shown to exhibit a powerful action in controlling overgrowth of oral fungi.

INDICATIONS. Inflammatory conditions of the mouth and throat and oral moniliasis.

FORMULA. Each tablet contains — neomycin sulphate 5 mg. bis-(2-hydroxy-5-chlorophenyl) sulphide 40 mg.

PACK. Carton of 20 tablets. Trade Price 2s. 10d. --- purchase tax.

CALMIC LIMITED, CREWE, CHESHIRE. Telephone Crewe 3251 (7 lines) LONDON: 2 Mansfield Street, W.1. Telephone, Langham 8038/9



For Retailer, Wholesaler and Manufacturer
ESTABLISHED 1859

Published weekly at 28 Essex Street, Strand, London, W.C.2

TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

TELEPHONE CENTRAL 6565

Outdoor Advertisements

Local councils have received a critical note from the Minister of Housing and Local Government (Mr. H. Brooke) on the control of shop and other outside advertisements.

The Minister has accused the councils of refusing consent for reasons "which appear to be outside the powers which are conferred by the regulations." He has confronted them with instances in which they have demanded applications for consent to continuance of display of advertisements long before the period laid down by law.

On the first point, he has made it clear that powers to refuse consent are exercisable only in the interests of amenity and public safety. They do not provide for consent to be refused for such reasons as that there is no need for an advertisement, or that advertisement features a particular kind or brand of commodity, or that it is not the council's policy to permit advertising in a particular way or in a particular area. The Minister also enjoins authorities to avoid requiring applicants for consent to be refused for such reasons as that there is no need for an advertisement, or that advertisement features a particular kind or brand of commodity, or have been challenged. He calls upon authorities to show willingness to negotiate with advertisers, and hopes they will adopt a "realistic and reasonable" attitude.

As the Minister pointed out in his circular, new amending regulations, the Town and Country Planning (Control of Advertisements) Amendment Regulations, 1960 (H.M. Stationery Office, price threepence), come into force on March 1. They enlarge the discretion of planning authorities to grant express consent for the display of certain necessary kinds of advertisements in areas of special control. They also simplify and otherwise improve some of the legal and other procedures and make a few minor amendments which stem from experience of administration over the past few years.

The new regulations introduce a revised procedure for challenging and for securing the removal of an advertisement if consent is refused following challenge. They require the reasons for serving a challenge notice to be stated at the time of service by the local planning authority, and enable the authority to use a single notice both for refusing consent and for requiring discontinuance of the display. The normal period of express consent is to be five years (instead of three) and applicants will be able to appeal to the Minister if a shorter period is laid down.

The Minister's view is that advertisement control should be directed at securing that advertisements are displayed in the right way and in the right places, but not for other purposes. He has been impressed by the progress that has been made in recent years, but is of opinion that a great deal more needs to be done. The question is not one solely for action by local authorities. It must be for the advertisers themselves to play a major part in developing techniques, improving standards and measuring potential and existing sites in terms of amenity as well as trade. On those points we concur wholeheartedly with the Minister's point of view.

We are pleased, therefore, to note that the outdoor advertising industry has drawn up a "Code of Standards for Advertising on Business Premises."

Like most codes the document is a set of standards to be voluntarily applied by the industry—both advertising and trading interests—which realises that cluttered advertisements on shops are detrimental to amenity and that they defeat their own purpose as advertisements by confusing the eye.

The code sets out standards to be observed in erecting and maintaining on business premises all such advertisements as may be put up without first obtaining permission from the planning authority. Normally the types of advertisement covered are non-illuminated business names and non-illuminated advertisements relating to goods sold or services supplied at the premises, both put up at a height of not more than 15 ft. from ground-floor level.

The code requires all advertisements and structures for displays to be of durable materials and of good workmanship, and lays down standards for maintenance and cleaning. Advertisements in private forecourts and fixed to premises—too often hideous examples of "clutter"—are subject to special provisions.

The industry is to apply the code to all new advertisements erected on business premises. Where "clutter" already exists, advertisers and occupiers are recommended to begin reviewing their sites. The work should be completed as soon as possible, and it is hoped that the greatest possible progress will be made during the next two years. Subcommittees representative of the various trades concerned are to report to a consultative committee the progress of the application of the code and give details of premises about which agreement cannot be reached with either advertiser or occupier.

Behind and reinforcing the code there will remain the "challenge notice" of the planning authority. If the code deals with 80 per cent. of the "clutter" problem then the local planning authorities will not feel that the remainder of the problem is beyond practical achievement.

FAIR SHARES: The dominating feature of the next decade will be the assertion of all peoples in the newly-developing countries of their claim to a greater share of the world's goods—LORD BAILLIEU, at the Twelfth International Congress of Scientific Management, Sydney, Australia.

A PHARMACIST'S ANTHOLOGY PRITHEE ANOTHER PRESCRIPTION

From Humphry Clinker, by Tobias Smollett

DOCTOR, The pills are good for nothing—I might as well swallow snow-balls to cool my veins—I have told you over and over, how hard I am to move; and at this time of day, I ought to know my own constitution. Why will you be so positive? Prithee send me another prescription.

GUIDE TO NEW MEDICAMENTS

Information about proprietary products supplied principally on prescription. Reprints on perforated gummed paper for affixing to index cards are obtainable from the Editor. Notes on the products are given on p. 322.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 19, 1960

ALMACARB

Manufacturer: The British Drug Houses, Ltd., Graham Street, London, N.1.

DESCRIPTION: Tablets each containing 0.375 gm. of aluminium hydroxide-magnesium carbonate co-dried gel. A new manufacturing technique ensures retention of neutralising potential on storage and during processing.

INDICATIONS: Dyspepsia; heartburn; peptic ulceration; hiatus esophageal; para-esophageal hernia; esophagitis and benign esophageal ulcer.

DOSAGE: One tablet to be chewed then a tablet to be sucked slowly at regular intervals.

How Supplied: In cartons of forty and 200 in strip-packed foils.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 19, 1960

MULTRATE

Manufacturer: Gedeon Richter (G.B.), Ltd., 14 Weedington Road, London, N.W.5.

DESCRIPTION: A banana-flavoured syrup containing, in each fl. oz. 50,000 international units of vitamin A; 10,000 i.u. of vitamin D₂; 40 mgm. of vitamin B₁; 20 mgm. of vitamin B₂; 4 mgm. of vitamin B₆; 120 mgm. of nicotinamide; and 400 mgm. of vitamin C.

INDICATIONS: In conditions where multivitamin therapy is helpful: Acute and chronic infections; for dietary supplementation in pregnancy and lactation.

Dosage: Children: ½-1 teaspoonful daily. Adults: 1-2 teaspoonfuls daily.

How Supplied: In bottles of 4, 16, 40 and 80 fl. oz.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 19, 1960

ISMELIN

Manufacturer: CIBA Laboratories, Ltd., Horsham, Sussex.

Description: Tablets containing 10 mgm. (white) or 25 mgm. (pink) of 2-perhydroazocin-1'-yl-ethylguanidinium sulphate, a potent long-acting antihypertensive which acts selectively on the sympathetic system; it does not cause constipation or paralytic ileus.

INDICATIONS: The treatment of hypertensive states except those due to phaeochromocytoma.

Dosage: Initially, 10 mgm. daily for a week then, subject to response, 20 mgm. (2 tablets) daily for the second week; subsequent dosage increments to achieve stability should not exceed 10 mgm. daily with intervals of one week at each level. Usually 30-60 mgm. daily provides maintenance.

How Supplied: In containers of twenty-five, 100 and 500 tablets of 10 mgm. or 25 mgm.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 19, 1960

BUTISOL

Manufacturer: McNeil Laboratories, Ltd., High Wycombe, Bucks.

Description: Scored tablets, coloured lavender, green and pink, each containing 15, 30 or 100 mgm., respectively, of butabarbital sodium (sodium 5-secondary-butyl-5-ethylbarbiturate).

INDICATIONS: Neuroses, anxiety or tensional states, essential hypertension, functional gastro-intestinal disorders, pre-menstrual tension and the menopausal syndrome, coronary artery disease, congestive heart failure, hyperthyroidism, pre-operative apprehension, and insomnia.

Dosage: Adults: 15-30 mgm. three or four times a day. For night use, 100 mgm. on retiring, Children: 7½-30 mgm. daily according to individual requirements.

How Supplied: The 15-mgm, and 30-mgm, tablets in containers of 100 and 500 and the 100-mgm, tablets in containers of twenty-five and 100.

SUPPLY RESTRICTIONS: P.I, S.1, S.4.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 19, 1960

CETAL

Manufacturer: W. B. Cartwright, Ltd., Rawdon, Leeds.

DESCRIPTION: Tablets each containing 0.5 gm. of paracetamol. INDICATIONS: In conditions benefiting from an analgesic and antipyretic: Headache, migraine, colds, influenza, neuralgia,

neuritis, rheumatism.

Dosage: Adults: 1-2 tablets every four hours. Children: 5
years and over: ½-1 tablet, according to medical advice.

How Supplied: In containers of twenty and forty tablets.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 19, 1960

RHEUMAPRIN

Manufacturer: Gedeon Richter (G.B.), Ltd., 14 Weedington Road, London, N.W.5.

DESCRIPTION: Tablets each containing soluble aspirin equivalent to gr. 5 of acid acetylsalicylic; gr. 2 of salicylamide; and 10 imgm. of vitamin B₁.

INDICATIONS: For conditions benefiting from salicylate therapy:
Rheumatism; influenza; neuralgia; common cold; dysmenorrhœa.

Dosage: 3-6 tablets daily with or after meals.

How Supplied: In containers of twenty, 100 and 250.

First Issued: January 1960

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 19, 1960

HYDROSALURIC-K

Manufacturer: Merck Sharp & Dohme, Ltd., Hoddesdon, Herts.

Description: Tablets each containing 25 mgm. of hydrochlorothiazide and 572 mgm. of potassium chloride. The potassium chloride is contained within an enteric coating to prevent nausea, and the hydrochlorothiazide surrounds it. Potassium loss during intensive diuretic therapy is thus obviated in the majority of patients.

INDICATIONS: For intensive diuretic therapy requiring continuous high dosage and especially for patients receiving digitalis; for the sole or basic therapy for hypertension; and those with cardiac, renal or hepatic ædema.

Dosage: Usually one or two tablets once or twice daily or according to individual requirements and the condition to be treated.

How Supplied: In bottles of twenty-five, 100 and 500.

FIRST ISSUED: January 1960.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 19, 1960

CAVODIL

Manufacturer: Benger Laboratories, Ltd., Holmes Chapel, Ches.

Description: A potent monoamine oxidase inhibitor which preferentially inhibits monoamine oxidase in the brain in doses which have no significant effect on that enzyme in the liver. Elevation of mood is associated with that action. Tablets each containing β -phenylisopropylhydrazine hydrochloride, 3 mgm.

INDICATIONS: The treatment of mental depression of all types and degrees of severity and as a prophylactic in patients subject to recurrent phases of depression.

Dosage: 12 mgm. in a single daily dose until a clinical response is observed. Dosage should then be reduced to 6 mgm, a day for a further fourteen days and then to a maintenance dose of 3 mgm. a day. Treatment should be withdrawn gradually over a period of 20-30 days.

How Supplied: In bottles of thirty, 250 and 1,000.

SUPPLY RESTRICTIONS: A central nervous system drug.

Notes: Relieves pain and causes a sense of well being in angina pectoris. Patients with that disease should be instructed to follow their "coronary" regime carefully in spite of those effects.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 19, 1960

TENUATE

Manufacturer: Merrell-National (Laboratories), Ltd., 20 Savile Row, London, W.1.

DESCRIPTION: Tablets, each containing 25 mgm. of diethylpropion (alphadiethylaminopropiophenone hydrochloride), for use as an anorectic.

INDICATIONS: For appetite suppression in overweight patients including: Adolescent; geriatric; gravid; and in special risk situations—cardiac, hypertensive and diabetic.

Dosage: One tablet three times daily, one hour before meals. An additional tablet in mid-evening controls night-time hunger without loss of sleep.

How Supplied: In bottles of thirty and 100 tablets.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 19, 1960

TYLENOL elixir

Manufacturer: McNeil Laboratories, Ltd., High Wycombe, Bucks.

DESCRIPTION: An elixir containing in each 5 mils 120 mgm. of paracetamol in a cherry-flavoured red-coloured vehicle.

INDICATIONS: Paediatric conditions responding to antipyretic and analgesic therapy including headache; mild upper respiratory infections; tonsillitis; myalgia; post tonsillectomy.

Dosage: Infants: Under 1 year, ½ teaspoonful; 1-2 years, ½-1 teaspoonful. Children: 2-4 years, 1 teaspoonful; 4-6 years, 1-2 teaspoonfuls; over 6 years, 2 teaspoonfuls. Doses should be administered at intervals of 4-6 hours.

How Supplied: In bottle of 4 fl. oz.

FIRST ISSUED: January 1960.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 19, 1960

ELESTOL

Manufacturer: Farbenfabriken Bayer, A.G., Leverkusen, Germany.

DISTRIBUTOR: FBA Pharmaceuticals, Ltd., 37 Bedford Row, London, W.C.1.

DESCRIPTION: Tablets each containing 0.04 gm. of chloroquine phosphate (7-chloro-4-(4'-diethylamino-1'-methylbutylamino)-quinoline-diphosphate); 0.75 gm. of prednisone; and 0.2 mgm. of acetylsalicylic acid.

INDICATIONS: In the preliminary treatment of chronic rheumatoid arthritis; subsiding acute articular rheumatism; rheumatic spondylitis; and osteo-arthritis associated with inflammation. Subsequently combined with Resochin (chloroquine phosphate) and replaced by that drug.

DOSAGE: For 4-12 weeks, two tablets three times a day; then for 1-2 weeks one tablet three times a day and one tablet of Resochin; continuing with the Resochin for several months.

How Supplied: In containers of thirty and 150 tablets.

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SUPPLY RESTRICTIONS: P.I, S.1.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 19, 1960

pHisoHex

Manufacturer: Bayer Products, Ltd., Neville House, Eden Street, Kingston-on-Thames, Surrey.

DESCRIPTION: A liquid antibacterial skin cleanser with the same pH as the skin, containing 3 per cent. hexachlorophene in colloidal suspension and a detergent, alkylphenoxypolyethersulphonate, in an emollient emulsion base containing lanolin to facilitate the transference of the colloidal hexachlorophene in high concentration to the skin.

USES: As a prophylactic wash against infection and transmission of infection. For pre-operative use by operating teams; pre-operative preparation of patient's skin; routine use by hospital staff; wound and burn cleansing; bathing infants against staphylococcal epidemic infection; nappy rash treatment; general obstetric use; treatment of acne, dermatitis, eczema, impetigo, and scalp infections; treatment of varicose ulcers, pruritus ani, conditions involving peripheral vascular disease.

How Supplied: In a refillable plastic squeeze container of 150 mils and polythene container of 4 litres.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 19, 1960

PARAFON

Manufacturer: McNeil Laboratories, Ltd., High Wycombe, Bucks.

DESCRIPTION: Scored tablets each containing: 125 mgm. of chlorzoxazone and 300 mgm. of paracetamol.

INDICATIONS: In conditions in which a muscle relaxant and analgesic is of value, for example acute, subacute and chronic musculoskeletal disorders.

DOSAGE: For moderate to severe discomfort, two tablets three or four times a day and, for milder discomfort, one tablet three or four times a day.

How Supplied: In containers of twenty-five and 100.

FIRST ISSUED: January 1960.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 19, 1960

ESIDREX-K

MANUFACTURER: CIBA Laboratories, Ltd., Horsham, Sussex.

DESCRIPTION: Tablets each containing: Hydrochlorothiazide, 12·5 mgm.; potassium chloride, 600 mgm. (equivalent to 315 mgm. of potassium). The potassium chloride is enclosed in an enteric coating within the tablet.

INDICATIONS: Maintenance therapy in cedema and hypertension, particularly during prolonged administration in patients salt-depleted by a low salt diet or by previous diuretic therapy; or in patients receiving digitalis.

Dosage: Subject to individual requirements; maintenance usually 1-4 tablets daily.

How Supplied: In containers of twenty-five, 100 and 500.

FIRST ISSUED: February 1960.

SUPPLY RESTRICTIONS:

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 19, 1960

BUTIBEL

MANUFACTURER: McNeil Laboratories, Ltd., High Wycombe, Bucks.

DESCRIPTION: Red-coloured, scored tablets each containing: Butabarbital sodium, 15 mgm.; hyoscyamine sulphate, 0·138 mgm.; hyoscine hydrobromide, 0·027 mgm.; and atropine sulphate, 0·067 mgm.

INDICATIONS: Gastrointestinal disorders: pylorospasm; cardiospasm; diarrhœa; colitis.

Dosage: Adults: For most disorders, one or two tablets taken a half an hour before meals and at bedtime. Children: (6 years and upwards): Half a tablet.

How Supplied: In containers of twenty-five and 100.

FIRST ISSUED: January 1960.

SUPPLY RESTRICTIONS: P.I, S.1, S.4.

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MURIPSIN

Manufacturer: Norgine Pharmaceutical Products (London), Ltd., 26 Bedford Row, London, W.C.1.

DESCRIPTION: Solid tablets capsule shaped, coloured orange, each containing 500 mgm. of glutamic acid hydrochloride and 35 mgm. of pepsin.

INDICATIONS: For the management of primary and secondary hydrochloric acid deficiencies associated with gastro-intestinal dysfunction: nausea; flatulence; epigastric discomfort; gastrogenous diarrhœas; chronic gastritis; accelerated gastric emptying. As an adjunct to treatment in pernicious anæmia; post-gastrectomy syndrome; gastric carcinoma. In geriatric conditions.

DOSAGE: One or two tablets with each meal, swallowed whole with liquid or according to physician's instructions.

How Supplied: In bottle of fifty.

FIRST ISSUED: January 1960.

Notes: It should be noted that MURIPSIN has been developed to overcome the disadvantages of conventional hydrochloric acid therapy by providing a solid tablet to maintain effective acidification of the gastric juice in cases of hypochlorhydria and achlorhydria.

PHARMACEUTICAL SOCIETY OF IRELAND

Monthly meeting of Council

HE Council of the Pharmaceutical Society of Ireland is asking the Minister for Health to receive a deputation to put the Council's views on a proposal to set up a pharmaceutical control laboratory. At the monthly meeting of the Council, held in Dublin on March 8, THE PRESIDENT (Mr. H. P. Corrigan), referring to a reply by the Minister in the Dail on March 1 (see p. 304) to a question on the matter, commented that the Minister apparently had not seen other references by the Society to the need for such a pharmaceutical bureau.

Previous References to Drug Standards

The president recalled that, in the course of his reply, the Minister had said he was not aware that the Society's president had recommended the establishment of such a laboratory, though he had seen a Press report of a statement attributed to him (the president) in October 1959 "when the Customs duty was imposed on certain imported medical preparations, which mentioned that we had no bureau of standards for drugs here." Mr. Corrigan said that a reference had been made to the establishment of such a bureau two years previously, when the Council had advocated its establishment along lines of those operating in Continental countries, and at the conferring ceremony in the College of Pharmacy in December 1959 he (the president) had taken advantage of the occasion to refer to the necessity for such a body. The fact that some such statement was made at the time at which the duty was imposed was purely a coincidence. The matter was a fundamental one and applied to more than the imposition of duty on tablets.

MR. R. J. Power said the Council should emphasise that its desire to see a laboratory set up did not imply criticism of home-manufactured products, as imported products would also be subject to test. MR. C. J. CREMEN said he was all in favour of pressing on with their request to have such a laboratory established. Any suggestion that there were not sufficient facilities should not be allowed to impede progress. Facilities would be provided if the project were sanctioned. The Council should correct the impression that it had not referred to the need for a laboratory until the question of the Customs duty had been raised. MR. T. R. MILLER suggested that the Council should ask the Minister to receive a deputation to discuss the whole matter, and that suggestion was agreed to.

THE REGISTRAR read a letter from the Department of Health inviting the Council to nominate one member to act on the National Health Council for the period April 1, 1960, to March 31, 1962. The function of members of that Council was to advise the Minister on such general matters affecting, or incidental to, the health of the people as might be referred to them by the Minister, as well as on matters relating to persons engaged in operating the health services and the amount of payments, grants or allowances which should be made to them.

MR. MILLER said he thought that, as an important body, interested in the affairs of the Health Council, the Society should be allowed more than one member. As the chief distributors of all medicines chemists should be entitled to greater representation. MR. R. J. SEMPLE said he considered it desirable that the hospitals' and compounders' organisations should be represented on the Health Council.

THE REGISTRAR (Mr. J. G. Coleman) explained that the number of members on the Health Council had been reduced so that every organisation now represented had only one nominee. It was agreed to reappoint the Council's present representative (Mr. M. Costello).

MR. J. P. O'DONNELL said that the consultative health committees appointed by each county council to advise on health matters would be appointed immediately following the local government elections in June. Chemists should

lose no time in getting their local associations to use their influence so that pharmacists were included on such committees. Mr. F. LOUGHMAN said it would be desirable for local associations to select representatives first and then to try and gain the support of county councillors, Mr. R. J. Power affirmed that such representation would accomplish good for pharmacy. It was agreed to ask local associations to submit names.

When a letter was read from the Combined Urban Ratepayers' Bureau inviting the Council to send a representative to a meeting called in Dublin on March 14 to set up a special council to work in conjunction with the Bureau, the registrar was instructed to reply that, because the Society was purely an academic body and had no function in the matter, the Bureau should write to the Irish Drug Association.

The Irish Pharmaceutical Students' Association wrote inviting members of the Council to a lecture on "Aspects of Control of Biological Products in Industry," by Professor Paul Cannon (professor of pharmacology, University College, Dublin) to be given in the College of Pharmacy at 8 p.m. on March 23. The letter said that members of the Irish Medical and Irish Drug Associations and of manufacturing firms would also attend and contribute to the subsequent discussion.

The College of Pharmacy garden improvements committee wrote to suggest that, because only 13 per cent, of the cards sent out in connection with its raffle in aid of the project had been returned, the draw, arranged for March, should be postponed until April in order to give pharmacists with cards outstanding an opportunity of returning them with remittances. The letter added that the committee believed pharmacists had overlooked returning the cards and needed only a reminder to ensure that they would be duly forwarded to the committee. THE PRESIDENT, agreeing to the postponement of the draw, said he was sure that now that they had been reminded, all pharmacists would return their completed cards without delay to enable the draw to take place. The amount of money received on the cards so far did not cover the cost of the draw and he urged Council members to use their influence with colleagues to see that the cards were returned without further delay.

Reciprocity with Greece?

A letter was received from the Panhellenic Pharmaceutical Association, Athens, Greece, stating that the Greek Parliament had approved of qualified foreigners setting up in pharmacy in Greece, on the understanding that the arrangement would be on a reciprocal basis with other countries, and asking the Council to adopt a similar policy. The Council approved the suggestion contained in the letter and the registrar was instructed to reply stating that it was hoped legislation would be introduced shortly which would enable the Council to consider the matter further.

The registrar reported that twenty-three candidates would be presenting themselves for the special supplemental examination to be held the following week for candidates referred in a section of the Licence examination.

Permission was granted to Mr. Lyall Smith to hold the Photographic Dealers' Association's examination at the College

The following changes of address were noted:—Mr. P. P. Greene, M.P.S.I., to 82A Lower Dorset Street, Dublin; Mr. E. T. Traynor, M.P.S.I., to 14 Main Street, Rathfarnham, co. Dublin, Mr. D. O'Donovan, M.P.S.I., to Belvedere Pharmacy, Great Denmark Street, Dublin.

Licence certificates of the following were signed and sealed:—Misses Pauline O'Callaghan and Marie Hickey; Messrs. P. Cronin, D. O'Donovan and M. Power.

Mr. P. Dillon, Fethard, was elected to membership.

Mr. A. O'Brien, Limerick, and Miss Mary J. Daffy, Limerick, were granted registration in the Pharmaceutical

Assistants' Preliminary Register.

The following were nominated for membership:—Mr. P. O'Leary, Ploverfield, Cullen, Mallow, co. Cork; Mr. M. J. Quinn, 76 St. Conleth's Road, Walkinstown, Dublin; Mr. G. A. O'Donnell, 40 Cabra Drive, Dublin; Mr. E. T. Traynor, 14 Main Street, Rathfarnham, co. Dublin; Miss Patricia Molloy, Pearse Road, Sligo; Mr. D. O'Donovan, Belvedere Pharmacy, Great Denmark Street, Dublin, Mr. H. Knight, Newcastle West, co. Limerick, was nominated for Associate membership.

An L.A.H. certificate having been submitted, Dr. A. N.

Bowry, Nairobi, Kenya, was granted registration as a pharmaceutical chemist.

The registrar reported on the deaths of Messrs. C. H. Fielding, L.P.S.I., and J. Browne, M.P.S.I.

Present at the meeting were:—Messrs. H. P. Corrigan (president); F. Loughman; C. J. Cremen; J. Gleeson; G. C. O'Neill; J. J. O'Regan; T. B. O'Sullivan; M. Power; D. J. Kennelly; V. G. McElwee; T. R. Miller; K. Banks; M. F. Broderick; J. P. O'Donnell; R. J. Semple and R. J. Power. Apologies for absence were received from Mr. F. J. Robinson and Mr. M. Costello.

Grants totalling £104 were passed for payment at a meeting of the Benevolent Fund which followed.

FIGURES IN THE PHARMACEUTICAL WORLD

THIS year's president of the Proprietary Articles Trade Association, Mr. John F. Boucher, M.P.S., has had a wide experience of the drug trade, whose problems he is able to see from many angles. He is also a man of great personal charm and well-deserved popularity—a "good mixer" in the best sense of the term.

Mr. Boucher's pharmaceutical roots

Mr. Boucher's pharmaceutical roots are deep, for he represents the third generation of his family in a famous business that was founded in 1770 and continues though now part of a larger organisation. Born in Bristol in 1905, the son of C. E. Boucher, he served his apprenticeship in the family business, Ferris & Co., Ltd., manufacturers, wholesalers, and at that time also retail pharmacists, Bristol. During his apprenticeship he was taken through all departments of the firm, important among which were the manufacture of galeni-Part I of the old Minor examination from the school of pharmacy of the late Mr. D. J. Williams: the Old Bath and West College of Pharmacy, For Part II he went to the School of Pharmacy of the Pharmaceutical Society ("the Square") where he was a contemporary of the Editor of this paper. Indeed they may be said to have worked for a brief spell in double harness, since they were appointed joint secretaries for the organisation of the School's dinner—a function in the fashion of the time, with floor show in which one of the artists was Naunton Wayne, later to become much more famous.

After qualifying, Mr. Boucher returned to Ferris & Co., Ltd., later becoming a director and eventually managing director. An account of the history of the company was published in these columns in 1955 (C. & D., February 5, p. 146). In 1958, the company merged with J. R. Gibbs, Ltd., Paignton, on whose board of directors

he continues to serve.

In 1937 Mr. Boucher was appointed to the Committee of the Drug and Fine Chemical Manufacturers' Association. When that Association became a group in the Association of Chemical and Allied employers, he served as its first chairman. He has also for many years taken an active part in the affairs of the Association of British Pharmaceutical Industry, first as a member of council and of several committees, and in 1954 as president in succession to Mr. C. Saul. His election this year as P.A.T.A. president follows many years of service on the Association's council



82. MR. J. F. BOUCHER

as a member (and then chairman) of the Wholesale Section and on its Executive Committee. When the British Pharmaceutical Conference met in Bristol in 1958 he acted as joint local treasurer with the special function, performed with conspicuous success, of ensuring that funds were adequate.

Outside business Mr. Boucher has many interests, especially in sport and political work. He played both lawn

tennis and squash racquets at county level for Gloucestershire, and has been from its inception chairman of the Gloucestershire Squash Racquets Association. He has acted as joint treasurer of the Bristol Conservative Party. Loyalty to colleagues is one of his most characteristic qualities and he may be relied upon to maintain the principles of the Association at a critical juncture in its fortunes.

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, MARCH 16: Once again little activity was evident in the CRUDE Drugs section, but prices remained firm at previous levels.

There was some weakening in certain SPICES, notably PEPPER and African Cochin GINGERS. India is understood not to be issuing export permits for Nux vomica before April; meanwhile the scarcity of spot material continues. India also cannot supply RAUWOLFIA SERPENTINA but only the CANESCENS variety, a position that may have helped persuade the Customs and Excise to remove the existing 10 per cent. import duty on R. vomitoria root and root bark (see p. 305). Rainfall in the districts where Tinnevelly SENNA LEAVES are grown is reported to have been sufficient to ensure a good-quality crop, but the same sources say that PODS may not be as plentiful as last year. Shipments of Tinnevelly senna from the port of Tuticorin during February were as follows:-

	U.K.	U.S.	EUROPE
SENNA	Tons	Tons	Tons
LEAVES	15	22	16
PODS	12	_	20

Minimum prices for Spanish exports of AGAR to countries within the Organisation for European Economic Co-operation, the United States and Canada have been discontinued, according to official announcement published on March 11 in the weekly bulletin of the Spanish Ministry of Commerce. For other countries a minimum export price is maintained of \$3.15 per kilo, f.o.b. Spanish port.

In ESSENTIAL OILS an easier tone developed in LEMONGRASS, with spot values down sixpence per lb. Formosan CITRONELLA was twopence per lb. lower for shipment at 6s. 11d., c.i.f., but Petitgrain was sixpence per lb. dearer on the spot. Import duty on SPEARMINT OIL has been removed as from March 14.

Among Pharmaceutical Chemicals the price of THEOBROMINE was sharply advanced by about 10s, a kilo. One maker's announcement of lower prices for BISMUTH SALTS was expected to be followed by others. Potassium iodide was threepence per lb. dearer in 50-kilo lots. Also dearer were QUININE and its various salts.

Pharmaceutical Chemicals

ACETIC ACID.—B.P. glacial, 10-ton lots, £112 per ton naked; technical (80 per cent.), £97. Carboys are £8 and demijohns, £10 per ton extra. Single carboy lots 1s. 8d. per lb. (3s. 8d. per kilo).

p-Aminosalicylic acid.—Sodium, 20s. per kilo for 1,000-kilo lots...

ANEURINE HYDROCHLORIDE. — 1-kilo, £11 15s.; 10-kilos, £11 7s. 6d. per kilo.

Antimony salts.—Chloride Sol., B.P.C. 1934. carboys, 2s. 6\frac{1}{2}d. lb.; oxide, B.P.C., 3s. lb. One-cwt. lots. Potassium tartrate, 7s. 6d. per lb.; sodium tartrate,

-One-kilo, £3 12s.; 10 ASCORBIC ACID.kilos, £3 10s. per kilo. Sodium ascorbate is offered at the same prices.

ASPIRIN. — 5-cwt. lots (in kegs), 4s. 9d. per lb.; 1-cwt., 4s. 11d. Calcium salt, 12s. 6d. per lb.

ATROPINE.—Rates for 16-oz. (500 gm.):

	per oz.	per kilo
	s. d.	s. d.
ALKALOID	 39 0	1375 0
HYDROCHLORIDE	 36 0	1269 0
METHONITRATE	 39 0	1375 0
METHYLBROMIDE	 38 6	1357 0
SULPHATE	 34 0	1198 6

BISMUTH SALTS. — Prices (per lb.) in packages over 2-lb.:—

	28 lb. to 1 cwt.	I cwt.	5 cwt.
CARBONATE SALICYLATE SUBGALLATE SUBGALLATE	s. d.	s. d.	s. d.
	20 6	20 0	19 6
	20 3	19 9	19 3
	19 9	19 3	18 9
	18 6	18 0	17 6

BRUCINE. ALKALOID and SULPHATE, 100-oz. lots, 10s. 6d. per oz.

CAFFEINE.—ANHYDROUS, less than 50-kilo lots, 35s. per kilo; monohydrate, b.p., 34s.; citrate, 26s. kilo.

CALCIFEROL.—B.P., 3s. 3d. per gm. for 1-kilo lots.

CALCIUM PANTOTHENATE.—£8 per kilo.

CINCHOPHEN.—One-cwt. lots, 21s. per 1b.

Cyanocobalamin.—25-gm. lots, £39 per gm., and 1 gm., £40.

DIPHENAN.—(Per lb.). 55s. 3d. (56-lb.) to 63s. (1-lb.).

EMETINE. — One-kilo lots, HYDROCHLOR-IDE, 8642s. per kilo.

EPHEDRINE. — ALKALOID nominally 6s. 6d. per oz., SULPHATE, 4s. and HYDRO-CHLORIDE, 3s. 3d. per oz.

FOLIC ACID.—B.P. and U.S.P., 1s. per gm. 1-kilo lots; smaller lots, up to 1s. 6d. per gm.

FORMALDEHYDE.—B.P. solution, 5-drum lots, 60s. per cwt.

GALLIC ACID.—B.P., 10s. 7d. per lb. for 1-cwt. lots, Technical grade, 9s. 9d.

Hydrogen peroxide. — 27.5 per cent. (by weight), £119 per ton; 35 per cent. £143 in returnable carboys.

HYDROOUINONE. — One-cwt. lots, 11s.; 1-ton, 9s. per lb.

IODIDES. — (Per kilo). Potassium, 50-kilo lots and over 15s. 3d.; sodium, 20s. 6d.; ammonium, 45s.

IODINE.—Resublimed in 50-kilo lots or over, 23s. 1d. per kilo. Minimum delivered rate for CRUDE is 15s. per kilo.

IODOFORM.—Powder, 22s. 4d. per lb. in 28-lb. lots; 21s. 8d. in 1-cwt. and 21s. 1d. in 5-cwt. lots. Crystals are 3s. per lb. more

than the powder. KAOLIN.-LIGHT, 60s. per cwt.; 1-ton, 57s. per cwt.

LEAD ACETATE.—B.P., crystals, 225s. per cwt.

MENAPHTHONE. — B.P., 170s. per kilo; ACETOMENAPHTHONE, B.P., 170s.; WATER-SOLUBLE (menadione sodium bisulphite, SOLUBLE (menadione U.S.P.), 200s. per kilo.

METHOIN.—B.P., 120s. per lb.

METHYL SALICYLATE.—Five-ton lots, 3s. per lb.; 1-ton, 3s. 04d.; 10-cwt., 3s. 1d.; 5-cwt., 3s. 2d.; 1-cwt., 3s. 3d.

NICOTINAMIDE. — (Per kilo). One-kilo, 61s.; 10 kilos, 59s.; 50 kilos, 57s.

NICOTINIC ACID. — One-kilo, 39s.; 50kilos, 36s. per kilo.

NIKETHAMIDE.—Per kilo, 100s.

OLEIC ACID.—B.P. grade, £170 10s. per ton (£174 10s. single drum lots); 1 gall. tins 21s. per gall.

Oxalic acid. — Manufacturers' rates for 1-ton lots, £128 10s. per ton, delivered in free kegs.

Paracetamol. — Miniper lb.; 1-cwt., 10s. 3d. - Minimum 1-ton 10s

Paraldehyde. — B.P. in 12-winchester lots, 2s. 10d. per lb. (6s. 3d. kilo); 10-gall. carboys, 2s. 4d.

PHENACETIN.—One-ton lots, 6d. 3d. per lb.; 1-cwt., 6s. 6d.

PHENAZONE.—Imported, 9s. 6d. per lb.

PHENOL. — Ice crystals in drums is 1s. 4½d. per lb. (under 1-ton lots, 1s. 7½d.). Detached crystals, 2d. per lb. above and Liquid, B.P., ¾d. per lb. below the foregoing prices.

PIPERAZINE.—(50-kilo lots). ADIPATE, 31s. per kilo, CITRATE, 30s.; HEXAHYDRATE, 19s. and PHOSPHATE, 35s.

PROCAINE HYDROCHLORIDE.—100-kilo lots, 45s. per kilo.

Pyridoxine. — One kilo; 10 kilos, £50 15s. One-kilo, £52 10s. per

QUINIDINE.—Per oz.:-

Home Trade	1	500 oz.	100-400 oz.
QUINIDINE		s. d.	s. d.
ALKALOID		7 11½	8 11
GLUCONATE		9 41/2	9 61
HYDROBROMIDE		6 7	6 9
HYDROCHLORIDE		6 9	6 I1
SULPHATE		6 0	6 2
HYDROQUINIDINE			
HYDROCHLORIDE		II 2	1I 4
GLUCONATE		8 6 1	8 81/2

For export quinidine alkaloid ranges from £12 12s, 3d, to £12 17s, 4d, per kilo and sulphate from £9 10s, 5d, to £9 15s, 6d,

QUININE. — 1,000-oz. lots:—ALKALOID, 3s. per oz.; sulphate, B.P., 1932, 1s. 11\frac{1}{2}d.; Sulphate, B.P., 1958, 2s. 2\frac{1}{4}d.; BISULPHATE, B.P., 1958, 2s. 2\frac{1}{4}d.; BISULPHATE, 2s.; DIHYDROCHLORIDE, 2s. 9\frac{1}{2}d.; HYDRO-CHLORIDE, 2s. 6\frac{1}{2}d.; ETHYL CARBONATE, 4s. 3d.; HYDROBROMIDE, 2s. 5d. Quantities under 1,000 oz. plus one penny per oz., under 100 oz. plus threepence.

RESORCIMOL—One Cout lots: 12s. 4d. per

RESORCINOL.—One-cwt. lots, 12s. 4d. per

RIBOFLAVINE. — One kilo, £13 17s. 6d.; 10-kilo, £13 10s. per kilo.

ROCHELLE SALT.—Powder or granulated, 5-cwt. lots or over in kegs, 220s. per cwt.; 1-cwt. 222s. 6d. (bags less 5s.).

SACCHARIN.—B.P.C. powder. One 1b. and over, 99s. 10d. per lb.; SODIUM SALT, 80s. 10d. per lb. Prices include duty and carriage.

Salicin.—Quoted at 17s. 6d. per oz.

SALICYLAMIDE.—One-cwt., 6s. 9d. per lb. Salicylic acid.—One-cwt., 3s. $2\frac{1}{2}d$. per lb.; 5-cwt., 3s. $0\frac{1}{2}d$. per lb.

Semicarbazide hydrochloride.—Technical grade, 15s. 8d. per lb. for 1-cwt. lots.

THEOBROMINE.—Dearer. ALKALOID in 50kilos, 82s. 9d. per kilo.

THEOPHYLLINE.—50-kilo lots: ALKALOID ANHYDROUS, 34s. 6d. per kilo and B.P. 33s. 3d.; AMINOPHYLLINE, 33s. per kilo. VITAMIN A.—Synthetic. Supplied in con-centrate 1 million international units per m. as acetate or palmitate the price is

gm. as acctate of 9½d. per million i.u. VITAMIN D₂.—In oil, 2 million units per gm. the price is 2d. per million international units. Crystalline: see under

calciferol.

VITAMIN E (synthetic or natural).—Toco-PHERYL ACETATE, B.P.C., 25 gm. to 100 gm., 11d. per gm.; 100 gm. to 1 kilo, 9d. per gm.; 1 kilo and under 10 kilos, £31 5s. per kilo; 10 kilos, £30 10s. per kilo. Equi-valent prices for unesterified are: 1s. and 10d. per gm. and £37 and £35 10s. per kilo kilo.

Crude Drugs

Aconite. — Spot: Spanish napellus, 2s. 6d. per lb.

AGAR. — Kobe No. 1, 14s. per lb., in bond; shipment, 13s. 9d., c.i.f.

ALOES. — Cape primes, spot, 185s. per cwt. quoted; shipment, 172s. 6d., c.i.f. Curação, 500s., spot.

BALSAMS.—Per lb.:—CANADA: Spot, 22s. COPAIBA: Para from 7s., duty paid. Peru: Spot 9s. 6d. in bond. Tolu (genuine as imported): spot cleared, shipment not offering; B.P., 14s. 3d.

BENZOIN.—Sumatra block, spot £22 to £30 as to quality.

Buchu.—Spot rounds, 3s. 9d. per lb.; shipment, 3s. $1\frac{1}{2}$ d., c.i.f.

CALABAR BEANS.—Spot, 2s. per 1b.

CALAMUS.—Root, 1s. 2d. per lb., c.i.f.
CALUMBA.—Root, 100s. per cwt., spot.

CAMPHOR.—B.P. powder, 3s. $7\frac{1}{2}$ d. per 1b. in bond.

CAPSICUMS. — East African nominally 175s, per cwt.

CASSIA.—Fistula, 115s. per cwt., spot. CHERRY BARK. — Thin natural, 1s.. 6½d. per lb.; rossed, 1s. 11d.

CINNAMON QUILLS.—Shipment (c.i.f., per lb.) 4 O's, 6s. $1\frac{1}{4}d$.; 3 O's, 5s. 11d.; O, 5s. $5\frac{3}{4}d$.; quillings, 3s. $4\frac{1}{2}d$.; featherings, 1s. $10\frac{3}{4}d$.

CLOVES.—Zanzibar spot, 2s. 9d. per lb.; shipment, 2s. 5d., c.i.f.

Cocillana.—Bark, 2s. per lb., spot.

COLOCYNTH PULP.—Spot, 2s. 6d. per lb. DIGITALIS. — Purpurea for shipment, 1s. 2½d. to 2s. 6d. per lb., c.i.i., as to test

ELEMI. — Spot from 1s. 10½d. per lb., shipment, 1s. 7d., c.i.f.

ÉRGOT.—Portuguese, 5s. per lb., c.i.f.; spot, 5s. 6d. East European not offering. Frangula.—Spot, 105s. per cwt.

GINGER.—African, 140s. per cwt. spot; March-April shipment, 125s., c.i.f. Jamaican No. 3, spot, 240s. Cochin, March shipment, new crop, 145s., c.i.f.

Gum ACACIA. — Kordofan cleaned sorts, 167s. 6d. per cwt., spot; shipment, 148s.,

HONEY. — Australian light amber, 90s. to 95s, and medium amber, 85s, to 90s. Argentine, 102s, 6d, to 105s.; Jamaican, 115s, to 120s.; Canadian clover, 145s, to 150s., all per cwt. on the spot ex warehouse.

IPECACUANHA. — Matto Grosso, 53s. to 55s, 6d. per lb., c.i.f., as to position; Colombian, 54s., c.i.f., March. Spot Colombian, 55s. 6d.

Kola NUTS. — Jamaican for shipment, 7d. per lb., c.i.f. African, 5½d. spot and 4d., c.i.f.

LINSEED. — Whole, 85s. per cwt.; crushed, 110s.

LIQUORICE. — Natural root: Persian on the spot, 46s. 6d. and Russian 70s. per cwt. Block juice: Anatolian from 190s. per cwt.; Italian stick from 310s. to 470s. per cwt.

LOBELIA HERB. — Spot cleared. American for shipment, 4s. 2d. per lb., c.i.f. Dutch not offering.

LYCOPODIUM.—Spot, stocks cleared.

MACE.—Whole pale blade, 23s. 6d. per lb. on the spot.

MENTHOL. — Chinese, 67s. 6d. per lb., duty paid as to seller; shipment not offering. Brazilian, 52s., in bond; 52s., c.i.f.

NUTMEGS. — West Indian 80's 13s. 3d. per lb., spot: sound unassorted, 10s.; defectives, 8s. 6d.

Nux vomica.—Scarce. Shipment, nominal.

Orange Peel. — Spot: Sweet ribbon, 2s. per lb.; bitter quarters: West Indian, 1s.; Spanish, 1s. 7d.

Orris root.—Florentine, 340s. per cwt.

PAPAIN. — Tanganyikan, 14s. 6d. per lb., c.i.f., for grade one, spot, 17s. Ceylon, No. 1 white, 14s. 6d., c.i.f.: brown, 13s., c.i.f.

PEPPER.—White Sarawak spot 5s. 9d. per lb.; shipment, 5s. 6d., c.i.f. Black Sarawak, 4s. 3d., spot and 4s. 2d., c.i.f. Black Malabar, 475s. per cwt. spot and 450s., c.i.f., shipment.

PEPPERMINT LEAVES. — Dutch whole, 1s. 11d. to 2s. 7d. per lb., c.i.f.

PIMENTO. — Spot, 590s. cwt. nominal; shipment, 540s., f.o.b.

PODOPHYLLUM. — *Emodi*, 200s. per cwt. spot, and 185s., c.i.f., for shipment. *Peltatum*, spot value, 375s.

PYRETHRUM.—Extract, minimum, 25 per cent. w/w pyrethrins, 75s. per lb. for small lots.

QUASSIA. — Spot, 50s. to 52s. 6d. per cwt., ex wharf.

QUILLAIA.—Spot whole bark, 110s. per cwt.; crushed, 150s. Whole for shipment, 97s. 6d., c.i.f.

RHUBARB. — Chinese small round from 5s. 9d. to 6s. 9d. per lb. on the spot.

SAFFRON.—Mancha selecta, 147s. 6d. per lb

SARSAPARILLA.—Jamaican native red on the spot, 2s. 6d. per lb. Shipment, 2s. 1d., c.i.f.

c.i.f.

SEEDS. — (Per cwt.). Anise.—Bulgarian, 130s.; Turkish, 127s. 6d.; Spanish, 160s., all duty paid. Caraway. — Dutch, 152s. 6d., duty paid. Celery.—Indian, 145s., spot; shipment, 118s., c.i.f. Coriander.—Moroccan, 47s. 6d., duty paid; shipment, 38s. 6d., c.i.f. Cumin.—Indian, 235s., spot and Iranian, 260s., duty paid; shipment: Indian, 185s., c.i.f. DILL.—Indian, 95s. (little stock available); shipment, 77s. 6d., c.i.f. Fennel.—Chinese, 110s., duty paid; Indian, 115s. Fennegreek.—Moroccan firm at 52s. 6d., duty paid; shipment, 44s., c.i.f. reported paid. Mustard. — English, 75s. to 97s. 6d., according to quality.

SENEGA.—Spot, 19s. 6d. per lb.; shipment: small lots at 18s. 9d., c. and f. quoted.

SENNA. — *Tinnevelly* LEAVES, prime No. 1, 1s. 5d. per lb., f.a.q.; No. 3, 9d. Pops: manufacturing (f.a.q.), 10d. and hand-picked, 1s. 6d. to 1s. 10d. *Alexandria* pods: Manufacturing, offered from 1s. 6d. Good hand-picked cleared.

SHELLAC.—F.O.T.N., 200s. per cwt.; No. 1, 222s. 6d.; F.O., 232s. 6d. to 282s. 6d., spot.

SQUILL.—White: from 80s. to 85s. per cwt. spot.

STRAMONIUM. — Indian LEAVES 60s. per cwt., spot. Dutch 0.5 per cent. alkaloid, 93s., c.i.f.

STYRAX. — Spot, 33s. per lb., shipment, 32s., c.i.f.

Tonquin Beans.—Para spot, 8s. per lb. Shipment about 7s. c.i.f. Angostura 11s.

Tragacanth. — No. 1 ribbon, £135 to £140 per cwt. No. 2, £125 to £130.

TURMERIC. — Madras finger on spot is 110s. per cwt.; new crop, April-May shipment, 90s., c.i.f.

VALERIAN ROOT. — Spot: Indian (with rootlets), 130s. and Belgian, 175s. per cwt. Dutch whole (max. 2½ per cent. sand) for prompt shipment, 173s., c.i.f.

Vanillin.—Rates (per lb.) are now:—5-cwt. lots, 23s. 3d.; 1-cwt., 23s. 6d.; 56-lb., 23s. 9d.; smaller quantities, 24s.

Waxes. — (Per cwt.). BEES'—Dar-es-Salaam, spot, 480s.; shipment, 470s., c.i.f. Abyssinian, spot 410s. in bond; shipment, 405s., c.i.f. Benguela, shipment, 380s., c.i.f. Sudanese, spot, 450s.; shipment, 380s., c.i.f. Candelilla, spot, 460s. Carnauba, fatty grey, spot, 555s.; shipment, 520s., c.i.f.: prime yellow, spot, 850s., shipment, 790s., c.i.f.

Essential and Expressed Oils

ALMOND. — Moroccan, 6s. per lb., duty paid.

ARACHIS.—Spot, 2-5-ton lots naked ex mill, £149 per ton.

BAY.—West Indian, 12s. 6d. per 1b. on the spot.

CADE. — Spanish, 3s. 6d. per lb. for drum lots.

CAJUPUT.—Spot from 10s. per lb.

Castor.—Home-produced B.P. oil, spot, £150 per ton naked ex mill (2-ton lots).

CEDARWOOD. — American rectified, 5s. per 1b. spot.

CELERY SEED. — Dutch oil, 90s. per lb. and Chinese, 65s.

CHENOPODIUM.—Spot value, 36s. per lb. for original containers.

CINNAMON. — From quillings, best English-distilled is 50s. per oz.; other B.P. oils from 165s. per lb. Ceylon leaf, spot 9s 9d. per lb.; rectified, 11s. 6d. per lb.; Seychelles, 8s. 6d., spot.

CITRONELLA.—Ceylon, spot, 7s. 3d.; shipment, 7s. per lb., c.i.f. Formosan, spot, 7s. 1½d. in bond; shipment, 6s. 11d., c.i.f.

CLOVE.—Madagascar leaf, spot, 9s. 3d. per lb., duty paid; shipment, 7s. 10d., c.i.f. Rectified 87–88 per cent., 12s. Distilled bud oil, English B.P., 30s. to 31s.

COD-LIVER. — B.P. is 11s. 6d. per gall. in charged returnable drums. Veterinary is from 9s. 6d. per gall.

CUBEB.—Small spot supplies of imported are 65s. per lb.; English, 90s.

Cumin.—Imported oil, 90s. per lb.

DILL.—Imported, 27s. 6d. per lb., spot. EUCALYPTUS. — Australian 70 to 75 per cent. eucalyptol on the spot is 4s. 6d. per lb. 80–85 per cent., 5s. 3d. Spanish (70–75), 4s. spot. Chinese 3s. to 3s. 6d., duty paid.

Fennel. — Spanish sweet, spot, 11s. per lb.

GINGER.—Imported; Jamaican, 130s. per lb.; Chinese, 72s. 6d., duty paid.

JUNIPER. — B.P.C. 1949 oil is from 12s. 6d. per lb. on the spot. English-distilled, 180s. JUNIPER WOOD, from 5s.

LAVANDIN.—Spot, 6s. to 9s. per lb. for original drums.

LAVENDER.—From 24s. to 37s. 6d. per lb. as to quality.

Lavender Spike.—Spanish, 12s. 6d. to 14s. per lb. for original drums.

LEMONGRASS. — Spot, 13s. per lb., and shipment, 12s. 6d., c.i.f.

Orange.—Spot quotations of sweet oil include Floridan at 4s. per lb.; West Indian, 5s. 6d.; Israeli, 7s. 6d.

PEPPERMINT. — Arvensis: Chinese spot, 37s. 6d. per lb. Brazilian, 16s. 6d. spot and shipment, 16s. 6d., c.i.f. Piperita: Italian "Mitcham-type" from 42s. 6d. to 48s. 6d.; American, 26s. to 30s., as to origin.

Petitgrain.—Paraguay 19s. 6d. per lb., spot; shipment, 18s. 6d., c.i.f.

ROSEMARY.—Spanish is 7s. 3d. per lb. on the spot for best quality.

SANDALWOOD. — Mysore, spot 107s. 6d. to 110s. per lb. East Indian, 107s. 6d. to 110s.

YLANG YLANG. — Spot, from 37s. 6d. to 46s. per lb. as to grade.

UNITED STATES REPORT

NEW YORK, MARCH 15: Brazilian MENTHOL was being quoted at \$8:60 a lb., up 40 cents, and the Formosan, \$9, up 50 cents. TOLU BALSAM gained five cents to \$3:40 a lb. Higher per lb. among ESSENTIAL OILS were Algerian GERANIUM at \$22, up \$1; NUTMEG, \$12, up \$1; and SANDALWOOD, \$16:50, up 25 cents.

NOTES ON NEW MEDICAMENTS

ALMACARB.—Constituents: Aluminium hydroxide and magnesium carbonate in dried gel form. Aluminium hydroxide gel contains a hydrated aluminium oxide and a basic aluminium carbonate. Drying normally leads to gradual dehydration of the hydrated oxide, with a loss of acid-neutralising power. The loss is accelerated by drying at temperatures above 30°, and further losses may occur during tableting. In Almacarb increased stability and retention of acid-neutralising power have been secured by a new process. Other preparations of dried aluminium hydroxide are represented by Alocol, Aludrox tablets and Collumina. Gelusil, Droxalin and Nov-Alocol contain aluminium hydroxide aid other antactids.

BUTIBEL. — Constituents: Butabarbital sodium (sodium 5 - sec. - butyl - 5 - ethylbarbiturate); hyoscine; hyoscyamine; and atropine. The solanaceous alkaloids have antispasmodic and antisecretory properties, and in gastro-intestinal disorders the addition of a central depressant provides a balanced sedative-spasmolytic action. Probanthine with phenobarbitone, Lergine Compound (tricyclamal and phenobarbitone) and Amytal with belladonna, represent basically similar preparations.

BUTISOL—Consituents: Butabarbital sodium (sodium 5-sec.-butyl-5-ethylbarbiturate). This barbiturate has a medium range and intensity of action. Most of the drug is metabolised in the body, and elimination does not depend on urinary excretion, which may be advantageous in renal disease.

CAVODIL.—Chemistry: β-phenyl-isopropyl hy-drazine hydrochloride. This substance has a close chemical relationship to amphetamine, but has a different action in the treatment of depression. Cavodil inhibits the activity of monoamine oxidase, which normally breaks down the serotonin, nor-adrenaline and other amines present in brain tissues. The concentration of these substances therefore increases. This action is selective, as doses of Cavodil that can inhibit the action of the enzyme in brain do not influence such activity in other organs of the body. Thus during treat-ment the functioning of the enzyme in the which is of considerable importance, remains unimpaired. The ability to inhibit monoamine oxidase is also found in other substances such as isonicotinyl-isopropyl hydrazine (Marsild), β-phenyl-ethyl-hydrazine (phenelzine, and benzcarbamyl-ethyl-isonicotinyl Nardil). hydrazide (nialamide, Niamid). Tofranil (imipramine), which is also used in the treatment of depression appears to modify the basic processes underlying the depressive state, and the mode of action is therefore distinct from that

of the monoamine oxidase inhibitors.

CETAL, PREFACOSE, TYLENOL.—The active constituent of these preparations is N-acetyl-paminophenol (paracetamol). That substance is the active metabolite into which phenacetin is converted in the body, and to which the analgesic activity is due. A part of the absorbed phenacetin is also deacetylated to form p-phenetidin, and the occasional methemoglobinemia associated with the use of phenacetin is due to that metabolite. By the administration of paracetamol, such side-effects are eliminated at the source. Other preparations of paracetamol are Calpol; Eneril; Febrilix; Panadol; PCM; and Tabalgin.

ELESTOL.—Constituents: Chloroquine phosphate, prednisone and accetylsalicylic acid. Chloroquine, besides having antimalarial activity, is of value in the treatment of rheumatoid arthritis. The mode of action is not clear, as there is a latent period of 1-3 months before any improvement occurs, but it may have a "normalising" effect on protein synthesis. Corticosteroids and analgesics are used during that latent period, and with such treatment a reduced dose of steroid is often effective. The simultaneous use of acetylsalicylic acid increases the immediate effects and, when objective improvement has occurred, treatment may be continued with chloroquine alone. Other drugs used in rheumatoid arthritis include phenylbutazone (Butazolidin), hydroxychloroquine (Plaquenil) and various steroid preparations. Other examples of steroids with acetylsalicylic acid are

Coactyl, Cordex and Predasin. Chloroquine preparations are exemplified by Avloclor and Nivaquine.

ESIDREX-K.—Constituents: Hydrochlorothiazide with potassium chloride. The powerful diurctic action of hydrochlorothiazide results in the excretion of some potassium as well as the large amounts of sodium. The hypopotassemia is less than that which occurs with chlorothiazide but, with high doses over a long period, supplementary potassium is required. Potassium chloride is usually employed, but in some patients it may cause nausea. In Esidrex-K the potassium chloride is separated from the diurctic moiety by an enteric coating, by which means absorption of the salt is delayed, and nausea reduced. Hydrosaluric-K is a similar product. Salupres contains hydrochlorothiazide, reserpine and potassium chloride, and the sale is also contained in an enteric-coated core.

ISMELIN. — Chemistry: 2-Perhydroazocin-1-ylethylguanidinium sulphate, also guanethidine. This is a new type of therapeutic substance with a selective action on the transof peripheral sympathetic nerve immission pulses. That effect is exerted on those sympathetic nerves which run from the ganglia to the effector muscles, and the drug is thought to act by preventing the release of the amine transmitter substances at the neuromuscular junction. The action therefore differs sharply from that of the ganglion-blocking agents, which have a more general effect, and which inhibit both the sympathetic and the parasympathetic systems, the latter action being responsible for many of the side-effects of these blocking agents. Another drug with a similar selective action on post-ganglionic nerves is bretylium tosylate (Darenthin), Ganglion-blocking agents in hypertension include pentolinium (Ansolvsen), mecamylamine (Inversine) chlorisondamine (Ecolid) and Pempidine (Perolysen, Tenormal).

MURIPSEN.—Constituents: Glutamic acid hydrochloride and pepsin. The glutamic acid and hydrochloric acid complex breaks down in the stomach, liberating free hydrochloric acid. In achlorhydria, the resulting increase in gastric acidity enables the pepsin to exert a normal proteolytic activity. The glutamic acid also appears to exert a stimulating action on the acid-secreting cells of the stomarch. Betaine hydrochloride, present in Acidol, Aklorep and Betacid, liberates hydrochloric acid in a similar way.

PARAFON. — Constituents: 5-Chlorobenzoxazolinone (also known as chlorzoxazone), and paracetamol. Chlorzoxazone is a skeletal muscle relaxant, which produces its effects by a central action on the brain stem and spinal cord, and depresses the transmission of nerve impulses through polysynaptic pathways. Among other muscle relaxants of the same type are mephenesin (Myanesin), mephenesin carbamate (Tolseram), methocarbamol (Robaxin), zoxazolamine (Flexin) and styramate (Sinaxar). Paracetamol is the active metabolite of phenacetin.

pHisoHex,—Constituents: Hexachlorophene and an alkylphenoxypolyether sulphonate. The former substance, of which the alternative spelling is hexachlorophane, is an antiseptic effective against a wide range of organisms. Unlike many other antiseptics, hexachlorophane retains its activity in the presence of soap. When hexachlorophane-containing soaps are used, the antiseptic accumulates in the skin, and thus reduces the bacterial load. In pHisoHex, the antiseptic is associated with a detergent in an emulsion that has the same pH as the skin. Another preparation with both antiseptic and detergent properties, but formulated on different lines, is Savlon. It contains chlorhexidine and cetrimide, and forms an antiseptic solution for general purposes.

RHEUMAPRIN.—Constituents: Soluble aspirin, salicylamide and aneurine. Soluble aspirin is better tolerated than acetylsalicylic acid, and causes less gastric irritation. Salicylamide (o-hydroxybenzamide) has the general analgesic and antirheumatic properties of the salicylates and, although it has about the same toxicity as acetylsalicylic acid, it is free from the

gastric irritant action of that drug, Kalmopyrin also contains salicylamide and soluble aspirin. Salicylamide, together with phenacetin and codeine, is available as Saldyne. Salimed is a brand of salicylamide without any auxiliary analgesics.

SINAXAR.—Chemistry: 2-Hydroxy-2-phenylethyl carbamate, or styramate. A relaxant which, unlike the tubocurarine-like compounds, whose effect is on the myoneural junction, acts on the central nervous system, affecting the motor functions only. Other muscle relaxants of the type include mephenesin (Myanesin), mephenesin carbamate (Tolseram), Flexin (2-amino-5-chlorobenzoxazole and Robaxin (2-hydroxy-3-o-methoxyphenoxypropyl carbamate). Thiocolchicoside (Coltromyl) is a glycoside derived from a sulphur-containing analogue of colchicine, and has a similar depressive action on the central nervous system.

TENUATE,—Chemistry: 1-Phenyl-2-diethylamino-propanone hydrochloride, or diethylpropion, a substance related to the amphetamines, but with a ketonic group proximal to the phenyl nucleus and two ethyl substituents on the terminal amino group. That change in structure is associated with a virtual loss of central-nervous-system stimulating powers, though the appetite-depressant activity is unaffected. The drug may therefore be given in the evening without the risk of causing insomnia. Other appetite-reducing drugs include amphetamine (Benzedrine, Amphamed), dexamphetamine (Dexedrine, Dexamed, Dephadren, Dexten), methylamphetamine (Methedrine) and phenmetrazine (Preludin). Dexten is a long-acting resin-complex. Durophet is also a sustained-action product; it contains both laevo and dextroamphetamines in adjusted amounts.

AMERICAN LISTED DRUGS

DEXAMETHASONE (Decadron, Deronil, Gamma-corten). — Chemically: 9α-Fluoro-16α-methylprednisolone. This synthetic analogue hydrocortisone is the most potent anti-inflammatory glucocorticoid vet available. Doses of 0.75 mgm. of dexamethasone produce an antiinflammatory response equivalent to 4 mgm. of triamcinolone or methylprednisolone, 5 mgm. of prednisone or prednisolone, 20 mgm. of hydrocortisone, and 25 mgm. of cortisone. Except for using much smaller doses, therapy with devamethasone may be expected to give results essentially the same as those anticipated with those drugs. Dosage is individualised according to the severity of the disease, anticipated duration of steroid therapy, appearance of side-effects, and therapeutic response. general, the total daily dosage of dexamethasone is about one-fifth that of triamcinolone or methylprednisolone and about one-sixth that of prednisone or prednisolone. Available as 0.5 mgm, and 0.75 mgm, tablets, Data supplied by Merck Sharp & Dohme Research Laboratories, Division of Merck & Co., Inc.

PIPAMAZINE (Mornidine).—Chemically: 10-[3-(4 - Carbamoylpiperidino)propyl] - 2 - chlor - phenothiazine. This drug exhibits antiemetic and sedative actions. Doses greater than 10 mgm. per day may cause mild to moderate sedation. It is administered orally or by intramuscular or intravenous injection. The usual adult dose orally is 5 mgm. every four to six hours; if the drug cannot be retained orally, the same dose may be given intramuscularly. If intravenous administration is necessary, a dose of 5 mgm. is injected slowly over a period of five minutes. Available as solution (injection) 5 mgm. in 1 mil, tablets 5 mgm. Data supplied by G. D. Searle & Co.

PIPETHANATE HYDROCHLORIDE (Sycotrol. —Chemically: 2-(1-Piperidino) ethyl benzilate hydrochloride. The drug is closely related to benactyzine hydrochloride. It is proposed for use in the management of anxiety and tension accompanied by somatic complaints. No undesirable effects, with the exception of drowsiness, have been reported in man. Patients receiving the drug should be carefully observed for untoward effects. The proposed dose is 3 to 6 mgm, orally three times daily. Available as tablets 3 mgm. Data supplied by Reed & Carnrick.

PATENTS

(by permission, Controller, H.M. Stationery Office)

COMPLETE SPECIFICATIONS ACCEPTED From the "Official Journal (Patents), March 9

Therapeutic bone mixture. Olin Mathieson Chemical Corporation, 834,256.

Quinollne derivatives and the manufacture thereof. Wellcome Foundation, Ltd. 834,300.

Substituted 2-thiobenzoxathiols and processes for their preparation, K. Thomae, G.m.b.H. 834,310.

Streptomycin antibiotic copper complex. Pfizer & Co., Inc. 834,325.

(4-bipheuylyl-pyridyl)-carbinols. Francesco Vismara. 834,336.

L-amphetamine alginate. Nordson Pharmaceutical Laboratories, Inc. 833,946.

Antibiotic kanamycin derivatives. Bristol Laboratories International, S.A. 833,851.

Erythromycin esters. E. Lilly & Co. 834,397. Phenanthridinium compounds, May & Baker, Ltd. 834,231.

Process of reducing 3-hydroxypyridine and derivatives thereof. Lakeside Laboratorics, Inc. 834.248.

Process for the production of aromatic hydroxy compounds. Farbenfabriken Bayer, 834,254.

3-indolyl aminohydrocarbyl ketones. Upjohn Co. 834.028.

Manufacture of hydrogen peroxide. National Research Development Corporation. 834,264.

Thiadiazoline sulphonamides and the preparation thereof. American Cyanamid Co. 834,285.

Manufacture of diquaternary compounds, Wellcome Foundation, Ltd. 834,313.

Parasiticidal drugs. National Research Develop-

ment Corporation, 834,318, Dimethylaminopropylidenexanthenes and the pre-

paration thereof. American Cyanamid Co. 834,143 and 834,144.

Phenothiazine derivatives. Abbott Laboratories. 834.370.

Process for obtaining vitamin B12 and vitamin B12like substances and the products thereof. Chase Chemical Co. 834,384.

Tryptamine derivatives. Laboratoires Français De Chimiotherapie, 833,866.

Purification of the antibiotic ristocetin. Abbott Laboratories, 833,973.

Steroid compounds and their preparation.
Laboratoires Français De Chimiotherapie. 834,400.

Thionethiol-phosphoric acid esters and their production. Farbenfabriken Bayer, A.G. 834,262. Oxazoline and oxazine derivatives, polymers, copolymers thereof and method of preparation, Rohm & Haas Co. 834,308.

Thio-phosphoric acid esters and their production. Farbenfabriken Bayer, A.G. 834,331, 834,117,

N-monoaryl substituted carbamlc acid 2:4,1,5trichlorophenyl esters. E. Merck, A.G. 834,358. Phosphorus-containing insecticides and their preparation. Norddeutsche Affinerie and P. Spiess (trading as C. F. Spiess & Sohn), 833,863.

Phosphorous acid esters. Farbenfabriken Bayer, A.G. 834,392.

Means for administering medication orally luto

the respiratory organs, H. M. Birch and D. H. Gattone, 834,137.

Tablet cases. Von P. Martens. 834,176.

Orthopædic bandages and the manufacture thereof. T. J. Smith & Nephew, Ltd. 834,063.

British patent specifications are obtainable (price 3s. 6d. each) from The Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2.

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," February 24

For pharmaceutical preparations and substances for human and veterinary use; sauitary substances; and infants' and invalids' foods; all containing calcium (5)

BUXOCALCIUM, 788,544, by Jacques Plé, Paris, France.

For pharmaceutical preparations (5)

ANOROX, 789,612, by Multipax Chemicals, Ltd., London, S.W.4.

For pharmaceutical preparations for the treatment

of colds, eczema, and bronchial, asthmatical and rheumatical complaints (5)

RHEUMACUTION, 791,301, by Südmedica,

G.m.b.H., Munich, Germany. For all goods containing sterol (5)

SOLVOSTEROL, 792,055, by Albert René Castaigne, Toulouse, France.

For pharmaceutical preparations of vitamins and

minerals in tablet form (5)

NUTRI-TIME, 794,645, by Nutrition Enterprises, Chicago, U.S.A. For pharmaceutical preparations for the treatment

of coughs (5) DUROTUSS, 796,226, by Riker Laboratories,

Ltd., Loughborough, Leics. For pharmaceutical preparations for human and

veterinary use (5) CENTYL, 796,653, by Lovens Kemiske Fabriks

Handelsaktieselskab, Ballerup, nr. Copenhagen, Denmark. For pharmaceutical preparations in tablet form for

human use in the relief of catarrh, sinus infections and the like complaints (5) SYNUSON, 797,335, by International Laboratories, Ltd., Chessington, Surrey.

For electric razors and parts (8)
PRINCESS, 773,324, by Sperry Rand Corporation, Wilmington, Delaware, U.S.A.

For apparatus for cutting photographic films (9) Device with word PEROCUT, 791,150, by Arnold Perrot, Nidau-Bienne, Switzerland. For photographic apparatus (9)

LOGETRONIC, 796,266, by Logetronics, Inc., Alexandria, Virginia, U,S.A.

For electrically-heated blankets and parts and fittings (10)

STELLA, 797,230, by Stella Lamp Co., Ltd., London, W.C.2.

For foodstuffs for auimals, birds and for fish (31) Device with words PENNY WELL, 788,034, by W. Fiddes & Co., Ltd., Bristol.

For food for animals (31)

BENEFOOD, B794,840, by Beaulah Benedict Sales, Ltd., London, E.C.3.

From the "Trade Marks Journal," March 2

For all goods (1), (3) and (5)

TREE OF LIFE, 787,997-98, 788,002, by Carnegies of Welwyn, Ltd., Welwyn Garden City, Herts.

For perfumed soap, perfumes and toilet preparatious (uon-medicated) (3)

bits (ton-meatcatea) (3)
BRONNLEY LOVE IN IDLENESS, 793,765,
by H. Bronnley & Co., Ltd., London, W.3.
or non-medicated toile: preparatious (3)
DON LOPER, B794,037, by Don Loper, Inc.,

Beverly Hills, California, U.S.A.

For cosmetic preparations for the lips (3) LIPQUICK, LIP QUICK, 794,412-13, by Richard Hudnut, Ltd., Morris Plains, New Jersey, U.S.A.

For non-medicated preparations for the halr (3) CLYNOL FASHION TONE, 794,605, by Clynol, Ltd., London, W.1.

For hand-cleansing creams containing germicides

CONTECT, B795,909, by Audley Bowdler Williamson, Belper, Derbys.

For microbial insecticides (5)

THURICIDE, 791,263, by Bioferm, Corporation, Wasco, California, U.S.A.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, March 21

Enfield Chemists' Association, Enfield Arms (adjoining Enfield Town station), at 7.30 p.m. Mr. B. J. Thomas (Allen & Hanburys, Ltd.) on "Some Aspects of Practical Pharmacy."

FINCHLEY BRANCH, PHARMACEUTICAL SDCIETY, Bull and Butcher, Whetstone, London, N.20, at p.m. Debate on retail pharmacy's future.

NORTH LONDON PHARMACEUTICAL ASSOCIATION and NORTH METROPOLITAN BRANCH, PHARMACEUTICAL ROCIETY, Beale's restaurant, 368 Holloway Road, London, N.7, at 7.45 p.m. Dr. Cookson (Kodak, Ltd.) on "Eyes and No Eyes." PESTICIDES GROUP, SOCIETY OF CHEMICAL INDUSTRY, 14 Belgrave Square, London, S.W.1, at

5.30 p.m. Dr. E. K. Woodford on "Recent Developments in Chemical Weed Control."

PLYMOUTH BRANCH, PHARMACEUTICAL SOCIETY Freedom Fields hospital, Greenbank, at 7.30

ROMFORD BRANCH, PHARMACEUTICAL Unicorn, Gidea Park, at 7.45 p.m. Meeting. SOUTH-WEST LONDON CHEMISTS' ASSOCIATION and BRANCHES, Lambeth Town Hall, Brixton Hill, London, S.W.2, at 8.30 p.m. Dr. K. R. Capper on "B.P.C., 1959, and B.N.F., 1960."
WOKING BRANCH, PHARMACEUTICAL SOCIETY, Red House hotel, at 7.45 p.m. Meeting.

Tuesday, March 22

BIRMINGHAM PHARMACEUTICAL ASSOCIATION BRANCH, Imperial hotel, at 8 p.m. Dr. P. W. Muggleton (Glavo Laboratories, Ltd.) on "The Story of Griseofulvin.''

CHELTENHAM BRANCH, PHARMACEUTICAL SOCIETY, Gloucester Dairy café, at 7.45 p.m. Mr. D. H. Shattock (Kodak, Ltd.) on "The Growth of

Amateur Photography."

DARTFORD BRANCH, PHARMACEUTICAL SOCIETY,
Wellcome club, High Street, Dartford, at 8 p.m. Dr. H. S. Capoore on "Progress in Psychiatry."

HARROW BRANCH, PHARMACEUTICAL SOCIETY, Chequers hotel, High Street, Uxbridge. At 7 p.m., dinner; at 8 p.m., Dr. J. Davoll (Parke, Davis & Co., Ltd.) on "The Chemotherapy of Cancer."

INSTITUTION OF CHEMICAL ENGINEERS, Geological Society, Burlington House, Piccadilly, London, W.1, at 5.30 p.m. Mr. R. L. Brown on "The Flow of Granules through Apertures.'

LEICESTER BRANCH, PHARMACEUTICAL SOCIETY, Bell hotel, at 7.30 p.m. Mr. C. C. Stevens on 'Pharmaey and the Common Law,"

Wednesday, March 23

BATH BRANCH, PHARMACEUTICAL SOCIETY, Pump Room, at 8 p.m. Mr. O. H. Waller (editor, THE CHEMIST AND DRUGGIST) on "The Art of Dispensing Information."

LEEDS BRANCH, PHARMACEUTICAL SOCIETY, Griffin hotel. Dinner.

ROYAL SOCIETY OF ARTS, John Adam Street, Adelphi, London, W.C.2, at 2,30 p.m. Sir Gordon Russell (Council of Industrial Design)

on "Modern Trends in Industrial Design,"
STOCKPORT BRANCH, PHARMACEUTICAL SOCIETY,
Deanwater hotel, Woodford, at 7.30 p.m. Dance.

UNIVERSITY OF LONDON, Institute of Diseases of the Chest, Brompton Hospital, Fulham Road, London, S.W.3, at 5 p.m. Dr. J. L. Living-stone on "Steroids in Asthma."

WEST HAM ASSOCIATION and EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, Pharmaceutical department, London Hospital, Visit.

Thursday, March 24 BRANCH, PHARMACEUTICAL SOCIETY,

AYRSHIRE BRANCH, PHARMACEUTICAL SOCIETY, Ossington hotel, Kilmarnock, at 7.30 p.m. Mr. D. S. Moran (Ilford, Ltd.) on "How to Use Ilford Colour."

BLACKPOOL BRANCH, PHARMACEUTICAL SOCIETY, Imperial hotel, North Promenade, Blackpool, at 7.45 p.m. Mr. C. C. Stevens on "The Pharmacist and Common Law."

BRISTOL BRANCH, PHARMACEUTICAL. SOCIETY, Old Council House, Corn Street, at 7.15 p.m. Talk. THAMES VALLEY PHARMACISTS' ASSOCIATION,

Kingston hotel, Kingston-upon-Thames, at 7.45 p.m. meeting. Film, "My True Account" (Milton Pharmaceuticals, Ltd.).

Friday, March 25

ROYAL COMMERCIAL TRAVELLERS' SCHOOLS, Trocadero restaurant, Piccadilly Circus, London, W.1. Festival dinner.

SOUTHEND-ON-SEA BRANCH, PHARMACEUTICAL SO-CIETY, Imperial hotel, Westcliff-on-Sea, at 7.45 p.m. Dr. F. E. Camps on "Crime and Pathology.'

Advance Information

MANSFIELD BRANCH, PHARMACEUTICAL SOCIETY, Normanton inn, Columba Park, Worksop, on Wednesday, March 30. Dinner and dance.

SCHOOL OF PHARMACY, LEICESTER COLLEGE OF TECHNOLOGY AND COMMERCE, Grand hotel, at 7.45 p.m., on Thursday, March 31, Dinner and dance.

PRINT AND PUBLICITY

PRESS ADVERTISING

URGOYNE BURBIDGES & Co., Ltd., London, S.E.15: Vítasun. In magazine and national Press.

LAUGHTON & SONS, LTD., Warstock Road, Birmingham, 14: Stratton compacts. In Vogue, Vanity Fair, She, Everywoman, Woman & Beauty, Modern Woman. ROBERTS WINDSOR, LTD., Victoria Works, Colwick, Nottingham: Jaslyn bath ovals. women's monthly magazines.

SMITH & NEPHEW, LTD., Bessemer Road, Welwyn Garden City, Herts: Pretty Feet, In Woman and Woman's Own, Atrixo, In Woman's Weekly, Woman's Realm, Woman's Own, Daily Mirror. Nívea. In Woman's Own,

British Schering, Ltd., 229 Kensington High Street. London, W.8: "Albueid drops and ointment," "Cortucid eye drop cream" (cards), "Tyromist throat spray" (folder), "Neo-Mercazole—survey of medical literature" (3-p. reference sheets).

Burroughs Wellcome & Co., Euston Road, London, N.W.1: "Actifed" (4-p. folder).







SEASONABLE SHOW MATTER: Crowner for the new Parador concentrated floral disinfectant; showstand infectant; showstand for Mothak moth proofer and crowner for Mothak fly spray aerosols, all manufactured by Thompson & Capper, Ltd., Liverpool, 24.

PEPSODENT, LTD., 449 London Road, Isleworth, Middleser: Model Sct. In Woman, Woman's Own, Woman's Realm, Daily Mirror, Valentine, Boyfriend, Mirabelle, Vogue, Woman & Beauty, Everywoman, and Modern Woman.

POLARIZERS (U.K.), LTD., 26 Stamford Street, London, S.E.1: Polaroid sunglasses. In sunglasses, women's and national magazines.

RAYWARD TEXTILES, LTD., Alfred Street North, Nottingham: Headliners. In Woman's Day, Woman's Realm, She, Woman's Mirror, Vanity Fair, Everywoman, Woman & Beauty.

Woman's Mirror, Daily Mirror, Woman's Woman's Mirror, Daily Mirror, Woman's Illustrated, Woman's Realm, Sentor. In Daily Mirror, Reveille, Marilyn, Roxy, Valentine, Woman's Realm, Marty and Date.

STEWART, GOODALL & DUNLOP, LTD., 121A Princes Street, Edinburgh; Nucta preparations.

In Woman's Realm, Woman's Own, Modern Woman and Woman & Beauty,

PUBLICATIONS

Medical Propaganda

Manufacturers' leaflets, folders, booklets, etc., directed to doctors but available to pharmacists.

GEIGY PHARMACEUTICAL CO., LTD., Wythenshawe, Manchester, 23: "Delta-Butazolidin in rheumatoid arthritis, No. 5." (8-p. booklet), "Tofranil—depression information," Nos. 4 and 5 (12-p. and 24-p. booklets), "Taoryl Towns" (4-p. folders).

PAINES & BYRNE, LTD., Greenford, Middlesex: "Variderm ointment" (information card).

PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham, Essex: "Amphactil" (4-p. folder), "Nivaquine" (blotter).

PHARMETHICALS (LONDON), LTD., 20 Gerrard Street, London, W.1: "Scheriproct" (folder)

and blotter).

PHILIPS ELE TRICAL, LTD., Century House, Shaftesbury Avenue, London, W.C.2: "Patients on Parade—Intraphil and Ultraphil lamps"

ROCHE PRODUCTS, LTD., 15 Manchester Square, London, W.1: "Care of the Aged—Becosym" (4-p. folder).

VITAMINS, LTD., Upper Mall, London, W.6:
"Parentrovite," "Vitamins of the B complex"
(6-p. folders). "Grovite" (bookmark).

150 YEARS' DEALING IN SPONGES Fourth-generation link with the founder

RECENTLY the business of Leslie Marks & Co., Ltd., 3 Earlham Street, Cambridge Circus, London, W.C.2, importers of natural (Marksman)

More than 15,000 sponges a week are prepared and sold for the home and export markets. Mr. Marks, the director in charge of sponge and export



Mr. B. G. DaCosta



Mr. Leslie C. Marks



Mr. R. Crystol

sponges and manufacturers of chamois leathers, completed its 150th year of existence. The business was founded in Houndsditch, London, during the reign of George III by the great-grandfather of Mr. Leslie Marks (one of the present directors of the company) for the purpose of importing natural sponges from Greece and other main spongefishing centres.

The company's present premises are used both as offices and warehouse and for the preparation and bleaching of raw sponges, and the trimming, cutting and sorting of many types of sponges for toilet and industrial use.

sales, regularly visits the Greek Islands Egina, Calymnos and Hydra, which are the main centres of production, to purchase the best sponges. The company owns the firm of Cresswell Bros. (Reliance sponges) and operates a leather tannery on the River Wandle in Surrey and a factory in the Cambridge area for the production of chamois leathers. The other directors are Mr. B. G. DaCosta (chamois leather production) and Mr. R. Crystol (home sales). The company employs a staff of over fifty in the United Kingdom, in addition to representatives and agents in most countries.



"SKY-SCRAPER" DISPLAY OUTER: New-style outer adopted by Moore Medicinal Products, Ltd., Aberdeen, for their hand cream Codella. The outer contains 1 doz. packs yet occupies less counter space than a conventional

CUMULATIVE LIST OF AMENDMENTS TO THE

C. & D. Quarterly Price List, March 1

	*=New Product; A=Advanced; R=Reduced												
*	1001 (944 PCP)					,	1	bottle	15	$2\frac{3}{4}$	$4 1\frac{1}{2}$	2	3
	furniture barrier cream	20 36	0 0	• •	2 6			Cobalin (930 P&B)	27	1	7 4	4	0
	Accura 3 (1391 CHB) electric shaver super		.,		210			insufflation capsules 2		0 0ea		14 52	0
D.7.6	sport	::			175 * 0			Outfit	152	0		19	0
Detete	Aerosporin (208 BW) ointment 10 gm							Codilax (549 Guest) Cogentin (837 MSD)	12	6	3 1½	2	0 p1
	Allenbury's (34 A&H) pastilles sugarless 2 oz	15	9		1 9)		tablets, 2 mgm 50 Compocillin VK (2 Abbott)	130	0ea	• •	195	0 p1s1s4
	Ampins (399 ČG) for bee keepers,						*	capsules 125 mgm 50		6ea		258	9TS
	box of 3 No 9B		9ea		6 0			250 mgm 25		4ea 0ea	::	264 514	6TS
*	Andre Philippe (48 AP)		9ea	•••		p1	ĺ	Cortisporin (208 BW) lotion 10 mil	s 135	0		15	0
	liquid shampoo 22 4 oz men's lacquer aerosol 101	10 (30 ($\begin{array}{ccc} 0 & 2 \\ 0 & 15 \end{array}$		1 6 5 0			Coryzin (499 Richter)		0		4	6
	Andy (1392 TT) nylon pile beauty mitt	45	6		5 11			tablets	0 12	4ea		18	6
	Arthene (347 Dalmas) . 1 oz 2 oz	20	0 5 0 5		2 11			$\begin{array}{c} 50 \\ 100 \end{array}$		0ea 0ea		34 66	6
	Ascon (37 Allied) dp 80 oz		5ea		•	p1s7		Coty (301 Coty) cream powder in golden					
	Auto-Transparol (980 Photopia) photo corners 200				3 2			vanity 209 foundation lotion 2 o		$\begin{array}{ccc} 0 & \dots & 2 \\ 0 & & 1 \end{array}$		10	6
Delete	Banocide (208 BW) (Vet.), 200 mgm 10							nail enamel "pearlidescent "super-sheen"		0 2	3 5 8 0	8	9
	Barosil (267 C&A), dp 1 lb Becovite (1285 Vitamins)	180 ()	• •				remover	33	0 1	6 1	5	9
	tablets 100 500		0		5 0 20 0			"vanite parisienne" 209 powder refill	8 84 26		$\begin{array}{ccc} 1 & 0 \\ 2 & 8 \end{array}$	14 4	6 6
	1000		0	::	37 6		Delete	special astringent in glass bottle 2 o	z 33	0 1	6 1	5	9
	Bemaphate (142 BML) tablets		0		5 7	' 1	Delete	avocado beauty milk in glass bottle 4 c			1 0	7	6
	Bemasulph (142 BML)	147 (0	• •			Delete	skin freshener in glass			8 0	6	6
	tablets		0	• •	5 7	1/2	Delete	bottle 4 c eye shadow in pink and				4	
	dp 500 Bis-Pep (549 Guest)		6ea	• •			Delete	blue plastic container foundation lotion in	25		2 2		3
	tablets Bitonin (147 Boots) tonic	6	6 1	$7\frac{1}{2}$	1 3	1		glass bottle 2 c Cremotresamide (837 MSD)	z 25	0 1	2 2:	4	3
	tablets		0		2 0			Cussons (388 Cussons)	z 19	0ea	• •	28	6
*	Bourjois (150 Bourjois) 72	28	0	• •	3 6		Delete	musk rose soap 215	4				
	easter egg soap guest bath		• •		1 6		Delete	greensleeves luxury soap 208	5				
	B-R (1023 Radiol) Bone Radiol (horses and						Delete	four leaf clover luxury soap 208	3				
	dogs) 5 oz		6 23 0ea 24	$\frac{7\frac{1}{2}}{900}$	12 6 156 10			DCL (378 TDC) yeast tablets gr 5 5	0 1	6ea		2	3
	1 gal	185	6ea 46	4 ½ea	294 0			10 100	0 2	6ea 0ea		3 30	9
	healing jelly 2 oz Bronchodil (142 BML) 25	30	0 4	9	2 €	s4		Deaner (1061 Riker) tablets 10			6 0	38	6
	100 500		0 0ea	• •		s4 s4		50		0 27		157	6
	tablets dp 3×100	7	6					Delfen (922 Ortho) with applicator	76	0		9	6
	Brownie (711 Kodak) reflex 20 camera				87 2	2		tube only	56	0	• •	7	0
36	case Burcillin-P 100 (208 BW)				11 1			tablets 30 mgm 2		$\begin{array}{c} 0 & \dots \\ 0 & \dots \end{array}$		7 25	6 s1 0 s1
*	procaine penicillin intra-							Dibotin (97 Bayer)		0	• •	106	3 s1
	maminary injection, 100,000 units (Vet) 12	108	0		12 ()		tablets 10 Direma (378 TDC)	0 23	0ea		34	6
	Calcium disodium Versenate (1061 Riker)							tablets, 25 mgm 2		9ea		8	71
	tablets 100 500		$0 \dots 0$		24 C			10	0 104	4ea 0ea		32 156	0
	ampoules 5 mil 6 veterinary solution 100 mils		0 0		42 C			50 mgm 2		4ea 0ea		15 58	6
*	californian Poppy (677 JK) eau de toilette7062		8 14	0	4 9			Disamide (179 BDH)	0 189	0ea	• •	283	6
D	'Pak-a-Soap' (3)	17 1			2 6			tablets 2		0		6 19	9 6
A	No. 5 carbolic soap, twin bar	10	0	*:	1 0		D-7-4-	50				84	Ö
	Carbellon (830 Medo) 50 Carters (1003 PP)		0 4			1 1/2	Detete	Distaquaine (208 BW) suspension (vet)					
	little liver pills	9 4 do		$_{ m doz}^{5}$	4			300,000 units/mil 10 mi 30 mi					
R	Chandau (116 Benton) hair lacquer aerosol	39	0 19	6	6 6	6		Distaquaine-V (378 TDC) tablets 125 mgm 10	0 36	6ea		54	9TS
*	setting spray aerosol Choice (1388 Durazone)	39	0 19		6 6	6		Distaquaine V-K (378 TDC) suspension 2 c	z 8	10ea		13	3 TS
	disinfectant 5 oz 9 oz		9 9		1 3			Dorminal (147 Boots) tablets, gr. 3 10				8	3 s1s4
	air purifier aerosol		••	::	2 11	1		Durophet (1061 Riker) capsul	es			6	6 p1s1s4
	fly killer aerosol moth proofer aerosol			::	2 11 2 11			7.5 mgm 30	0 344	0 0		43	0 p1s1s4
	Christmas in July (150 Bourjois) skin perfume				8 (12·5 mgm 8	0 - 372	0			0 p1s1s4 6 p1s1s4
	perfume purse flacon				9 (20 mgm 30				8 52	0 p1s1s4 0 p1s1s4
	"Spray Mist"				17 (ò	*	Dylon (816 Mayborn) wash-creme	22			2	6
	toilet soap 3				5 4	9		Easu (339CG) liniment 4 c Elliman's (414 Elliman)			4 0	2	6
	talcum			::	5 (6		(distributor, 994 P&M)					
	cologne				10			"universal" embrocation		4 1	1 10	6	4
*	lanolin shampoo Clinic (509 Gibbs)			. 5		9		Emmotone (571 Stagg) 8 (Emmotone (571 Stagg) 6	24 24 24 24 24 24 24 24 25 25 25 25 25 25 25 25 25 25 25 25 25		6 0	3	6
	medicated shampoo sachet	3 1	13 1	. 1		7	1	8 (0	• •		

Delete	Enseals (413 Lilly) ferrous		1	Kirby's (705 Kirby)
	sulphate Epitone (147 Boots) 8 oz	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3 9	iron and yeast tonic tablets 80 18 6 4 $7\frac{1}{2}$ 3 0
	Esidrex K (262 Ciba) tablets 25	F.4. 0	. 6 9	Kisby (1067 Roberts) dry shampoo powder 21 0 5 3 2 9 50 0 12 6 6 8
	100 500	20 0ea .	. 25 0 . 122 0	Larola (105 Beetham) skin lotion 2 oz 15 0 7 6 2 6
	Ethyl chloride (394 Duncan) 100 mils	F0 0	. 6 3	3 oz 21 0 10 6 3 6 6 oz 33 0 16 6 5 6
	Eupinal (339 CG) with ephedrine 8 oz	56 0 14	0 8 4	Ledermycin (746 Lederle) capsules 150 mgm 16 29 0ea 43 6
	shampoo cream tube	18 5 4	7 2 6	100 174 2ea 261 3 1,000 1,682 4ea 2,523 6
	polythene bottle4 oz		. 1 4	Lignocaine (787 Macfarlan) hydrochloride solution
	spare polythene 8 oz Fennings (1100TS) code correcti	on	. 1 8	25 mils 4 % 6 3 Delete Lignocaine (787 Macfarlan)
	Ferroids (1061 Riker) 100 1000 First aid dressing pack		. 82 0	neothyl . 100 gm 4 0ea 500 gm 16 0ea Linct. Pholcodin. Co.
R	(1390 SFA) Frantin (208 BW) brand	18 0	. 2 0	(579 Hatrick)16 oz 90 0 80 oz 420 0
10	dispersible powder (Vet) 250 gm	675 0	. 75 0	Liquid Satin (654 Innoxa) satin blush 6 9
	Freemans (479 WF) bathing cap Chic 1B5		0 2 9	Little Laxaliver (372 De Witt) pills 13 6 3 4 1 9
	Sea Child 1B7 Diver . 1B6	21 0 1	0 2 6 0 2 9	Living Curl (1052 Revlon) 7 oz 12 6 Marplan (1074 Roche)
	Girl 1B8 Maid 1B4		0 2 9 0 3 9	tablets 10 mgm 50 8 4ea 2 1ea 14 7 250 31 8ea 7 11ea 55 5
	Frozocione (365 Demuth) (distributors 261 Christy)	24 0 12	0 4 0	*Max Factor (813 MF) hand cream tube 18 0 9 0 3 0
	Frozolavender (365 Demuth) (distributors 261 Christy)	24 0 12	0 4 0	Delete Medicel (938 PD) suspension 16 oz 85 0ea
	Glo-ahead (1188 Steiner) hair colouriser		4 6	Medifiater Cort (1061 Riker) 440 0 55 0
	Hazlewood (1393 Hazlewood) soap Easter eggs 4	gross gros 150 0 37	6 1 11	Medihaler Epi (1061 Riker) 152 0 19 0
	hand painted chick	gross gros 80 0 20		retill
	Heparin B.P. (930 P&B) injection vial 1,000 i.u./ml.	150 0	5 3 18 9	refill
v	5,000 i.u./ml. 25,000 i.u./ml. Hi-Shine (116 Benton)	672 0	84 0	refill
*	hair conditioner Hormofemin (830 Medo)	39 0 19	6 6 6	* Meggeson (831 Meggeson) mixed fruit pastilles
	tablets 0·1 mgm 100	04 0	. 1 9	"Hurdler" box 13 6 1 6 Mephyton (837 MSD)
	500 1000	36 0	4 6	emulsion 10 mgm per mil 1 mil 6 30 0ea
	0·3 mgm 100 250	18 0	. 2 3	Midicel (938 PD) suspension . 16 oz 85 0ea
	$\frac{500}{1000}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$. 6 6	Mix-A-Shake (621 Horlicks) pkt 1 oz 57 7 6 gross
	1·0 mgm 100 250	46 0	. 2 9	Morphy-Richards (863 MR) electric shaver
	500 1000	144 0	. 18 0	Mothdoom (1041 DR) aerosol 12 oz 81 0 9 0
	5·0 mgm 100 250	100 0	5 6 12 6 23 3	* Movol (406 WE) 12 0 1 6 p2 Multivite (179 BDH)
	compound tablets 50 100	40 0	5 0 pls1s4	pellets 150 74 0 9 3 Mycil (179 BDH)
	250 500	168 0	21 0 pls1s4	powder
	1000 cream 1 oz	000 0	75 0 pls1s4 5 0	Nebadrene (930 P&B) nebuliser 9 2ea 13 9
	Hydro Saluric K (837 MSD) tablets	8 8ea	13 0	Neothyl (787 Macfarlan)
	100 500	32 8ea .	49 0 240 0	500 gm 16 0ea Neumandin (147 Boots) tablets, 50 mgm 100 23 0 2 10 1
Delete	Hydrothide (830 Medo) 100 Hypertane (830 Medo)	32 8ea .	49 0	tablets, 50 mgm 100 23 0 2 10½ 1000 138 0 17 3 Nitoman (1074 Roche)
	tablets 500 1000			tablets 25 mgm 30 6 8ea 1 8ea 11 8 150 26 8ea 6 8ea 46 8
	compound tablets 500 1000			500 66 8ea 16 8ea 16 8 Noradran (897 NC) Bitabs
*	Inco-Pads (1073 Robinson) Inecto (1028 Rapidol)	60 0	. 6 11	50 doses 84 0 10 6 pl 250 doses 368 0 46 0 pl
	colour-cream Innoxa (654 Innoxa)	40 0 20	0 6 8	Bitabs nocte 20 doses 48 0 6 0 pls1s4 100 doses 210 0 26 3 pls1s4
	Mermaid Pink lipstick Fire Coral		5 0 5 0	inhaler
	Intimate (1052 Revlon)		. 9 6	500 93 Oea 139 6
	eau de toilet 0984 2 oz 0985 4 oz		15 6 27 6 32 6	* Nuit de Longchamp (Lubin) (1 Abbey) parfum de toilette 1 oz
	spray mist 0900 4 oz Intralgin (1061 Riker) liquid 8 oz		0 11 8	2 oz 30 0 4 oz 45 0
	liquid 8 oz 32 oz gel 50 gm	236 0 59	0 34 5 0 5 10	Nu-seals (413 Lilly) ferrous sulphate gr 5 dp 100 38 0 4 9
	Ipsolon (800 TM)			$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	balm tablets	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	7½ 3 6 9 2 6	* Old Spice (1131 Shulton) brushless shaving cream 23 0 5 7 3 6
	tablets 10 mgm 25	8 8ea 2 32 4ea 8	2ea 15 2 1ea 56 7	Omnivite (1285 Vitamins) forte tablets 100 15 0ea 22 6
	25 mgm 25	157 4ea 39 20 0ea 5	4ea 275 4 0ea 35 0	Opilon (1278 Veritas) tablets, 5 mgm 50 5 3ea
	25 mgm 25 100 500	76 4ea 19 376 8ea 94	1ea 133 7 2ea 659 2	Delete Page Barker (261 Christy)
R	Jertox (1232 T&R) aerosol insecticide	31 6	3 9	seurf lotion Pectamol (179 BDH)
¥	Jeyes' (671 Jeyes) fluid 16 oz K2r (890 NC&C)	20 0	2 6	linetus 2 litres 590 0
	spot lifter Kill Cold (1388 Durazone)		3 6	suspension 2 oz 78 0 9 9 tablets tablets 12 93 0 11 7½

	Pentoxylon (1061 Riker)						"Guardsman" military
	tablets	$\frac{36}{120}$:	40		brush set 806P 17 0 Sprayclean (1388 Durazone)
	Pethidine (394 Duncan) 500	528	0		. 66	0	spot remover
	lıydrochloride tablets	=0	0			• • •	fruit squash sachet . 39 0 4
	50 mgm 100 500	$\begin{array}{c} 78 \\ 346 \end{array}$	0		. 9 . 43		Springtime in Paris
	Phillips (976 Phillips) toothpaste	20	2	5	0½ 2	. 8	(150 Bourjois) presentation perfume 17 6
Delete	Pholtex.		-		· z –		purse flacon
	Pholcomed (830 Medo) pastilles 30	36	0				cologne stick 5 0
*	Plantoid (1396 Plantoid)	240	0		. 30	0 p1	bath cubes 6 3 6 talc 4 6
	automatic injector Pomp (365 Demuth)				. 18	9	soap
	(distributors 261 Christy)				_		self-illuminating microscope 88 4ea 132
	moth proofer aerosol 12 oz fly killer aerosol 16 oz	58 81	$\begin{array}{ccc} 6 & \dots \\ 0 & \dots \end{array}$:			Steiner (1188 Steiner) "pear foam" shampoo
	Primodor (973 Pharmethicals)	5	0ea		-	6	packet 10
	tablets	42	6ea	:			Stimplete (1352 Wyeth)
Delete	Primodos (973 Pharmethicals) tablets 4	6	2ea		. 9	3	elixir 4 oz 48 0 5 4 s1s4 40 oz 32 6ea 43 4 s1s4
	Profenil (324 Crookes) 40 25	$\frac{52}{32}$	6ea 0		4		Streptaquaine (378 TDC)
	100	112	$0 \dots$. 14	Ó	1.0 gm/4 mils 5 7 6ea 11 3 TS
	Pulmodrine (830 Medo)	256	_0	•	. 32	0	5·0 gm/20 mils single 6 0ea 9 0 TS Delete Stresscaps (746 Lederle) 30
	syrup 40 oz 80 oz	$\frac{20}{36}$	0ea 0ea)ea 35)ea 63		Submarine (555 Haffenden) hot water bottles
	Puromyn (218 Calmic)						slumbersound No. 2 5 3
	tablets 20 Q-tips (1020 Q-tips) 100	$\frac{34}{8}$	$\stackrel{0}{0}\dots$	8 (4	11½ TS 0	No. 3 5 9 slumberdeep No. 2 5 3
	Quatoral (549 Guest)	15	0			6 p1	No. 3 5 9
Insert	Queen (151 Boutalls) seaside cream	21		10 (6	warmwave No. 3 6 6
Delete	hand cream	$\frac{21}{36}$		10 (18 (safetyglow No. 3 8 9 safetyray No. 3 8 9
	Rapidal (830 Medo) 250	15	6ea		0.0		Sylvia (339 CG)
	Rautrax (1176 Squibb) tablets improved 25	9	10ea			9	sanifary towels, size 0 (12) 19 6 2 1 1 (12) 20 9 2 3
	100 500	37 169	4ea 4ea		OF A	0	1 (6) 10 6 1 2
	Rauwiloid (1061 Riker) 60	112	0		14	0	3 (12) 30 6 3 4
	and hexamethonium . 100	$\frac{768}{252}$	$0 \dots 0$			0 0 s1s4	maternity (12) 35 9 4 0 Sympatol (757 Lewis)
	and Veriloid 100	$\frac{1224}{488}$	0		153	0 s1s4	liquid 10% 20 mils 60 0 6 8
	500	2192	0		274	Ö	ampoules 1 mil 6 40 6 4 6
	Retina (711 Kodak) camera IB				813	9	36 146 3 16 3 Synuson (657 IL)
	IIC				1,046	3	tablets 50 56 0 14 0 8 2 s7
	IIIC	• •			1,395 1,092	9	Tarcortin (1178 Stafford) 7 gm 38 0 9 6 5 6
	reflex S				1,371 1,813	9	15 gm 59 0 14 9 8 7 Terpacol (195 Brook Parker)
	Retinette (711 Kodak)	••	••	•			4 oz 3 4ea
*	camera IIA Revion (1052 Revion)	••	••	• •	651	0	8 oz 5 10ea Tetritol (436 Evans)
	aquamarine fragrance 2 oz 4 oz	• •	• •	• •	12 21	6	250 mils 6 8ea 1 8ea 11 8
	spray mist		• •			9 6	talcum
	Robaxin (1071 Robins ampoules 5				32	6	perfume stick
	25				155	0	1 11 1
		• •	• •		133		bathcubes 6 3 0 soap 3 3 6
*	Robinade (285 Colman) sachet	14	3			11	bathcubes 6 3 0 soap 3 6 Theodrox (1061 Riker) 25 36 0 9 0 5 3
*	Robinade (285 Colman) sachet		3			112	bathcubes
	Robinade (285 Colman) sachet	14 gro	3			1½ 3	bathcubes
	Robinade (285 Colman) sachet	14 gro	3				bathcubes
*	Robinsade (285 Colman) sachet	14 gro 41	3 0		4	3	bathcubes
*	Robinsons (285 Colman) sachet	14 gro	3		4	3	bathcubes 6 3 0 3 6
*	Robinsade (285 Colman) sachet	14 gro 41 22 31	3 0 6 6 0ea		4 5 2 3	3 6 6 6	bathcubes
*	Robinade (285 Colman) sachet	14 gro 41 22 31 20 90	3 oss 0 6 0ea 0ea		4 5 2 3 30 135	3 6 6 6 0	bathcubes
*	Robinsade (285 Colman) sachet Robinsons (285 Colman) Sicilian lemon juice 25 oz Roman Holiday (150 Bourjois) cologne stick Rozalex (1088 Rozalex) waterless skin cleansertube stain removing cream . tube Salupres (837 MSD) tablets . 100 500 Salutone (339 CG) . 8 oz Sanipants (339 CG)	14 gro 41 22 31 20 90 24	3 sss 0 6 6 0ea 0ea	6 0	4 5 2 3 30 135 3	3 6 6 6 0 0	bathcubes 6 3 0 3 0 3 6 3 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
*	Robinsons (285 Colman) sachet Robinsons (285 Colman) Sicilian lemon juice 25 oz Roman Holiday (150 Bourjois) cologne stick Rozalex (1088 Rozalex) waterless skin cleansertube stain removing cream tube 8alupres (837 MSD) tablets 100 500 8alutone (339 CG) . 8 oz 8anipants (339 CG) small or medium 8anoid (339 CG)	14 gro 41 22 31 20 90	3 0 6 6 0ea 0ea 0 6		4 5 2 3 30 135 3	3 6 6 6 0	bathcubes 6 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3
*	Robinade (285 Colman) sachet	14 gro 41 22 31 20 90 24 59 16	3 sss 0 6 6 0ea 0ea 0 6	6 0	4 5 2 3 30 135 3	3 6 6 6 0 0	bathcubes 6 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3
*	Robinade (285 Colman) sachet	14 gro 41 22 31 20 90 24 59	3 0 6 6 0ea 0ea 0 6	6 0 2 11	4 5 2 3 30 135 3	3 6 6 6 0 0 9	bathcubes 6 3 0 3 0 3 0 3 0 3 3 0 3 3 0 3 3 0 3 3 0 3 3 0 3 3 3 0 3 3 3 0 3 3 3 0 3 3 3 0 3 3 3 0 3 3 3 0 3 3 3 0 3 3 3 0 3 3 3 0 3 3 3 0 3 3 3 0 3 3 3 0 3 3 3 0 3 3 3 0 3 3 3 0 3 3 3 0 3 3 3 3 0 3
*	Robinsde (285 Colman) sachet	14 gro 41 22 31 20 90 -24 59 16 53	3 sss 0 6 6 0ea 0ea 0ea 0 6	6 0 2 11	4 5 2 3 3 30 135 3 3 ½ 6 2 12 3	3 6 6 6 0 0 9 11 6	bathcubes 6 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3
*	Robinade (285 Colman) sachet	14 gro 41 22 31 20 90 24 59 16 53	3 sss 0 6 6 0ea 0ea 0 6	6 0 2 11 4 0	4 5 2 3 3 30 135 3 3 ½ 6 2 12 3	3 6 6 6 0 0 9 11 6	bathcubes
*	Robinsde (285 Colman) sachet	14 gro 41 22 31 20 90 - 24 59 16 53 36	3 sss 0 6 0ea 0ea 0 6 0 3ea 0	6 0 0 2 11 4 0	4 5 2 3 3 30 135 3 3 ½ 6 2 12 3	3 6 6 6 0 0 9 11 6	bathcubes 6 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3
*	Robinade (285 Colman) sachet	14 gro 41 222 31 20 90 24 59 16 53 36 36	3 sss 0 6 6 0ea 0ea 0 6 0 3ea 0		4 5 2 3 3 30 135 3 3 1 2 6 2 12 3 3 3 4	3 6 6 6 0 0 9 11 6 6	bathcubes
* * *	Robinsde (285 Colman) sachet	14 gro 41 22 31 20 90 -24 59 16 53 36 36	3 oss 0 6 0ea 0ea 0 6 0 3ea 0 7	6 0 2 11 4 0	4 5 2 3 3 30 135 3 3 ½ 6 2 2 12 3 3 3	3 6 6 6 0 0 9 11 6 6	bathcubes
* * *	Robinsade (285 Colman) sachet	14 gro 41 22 31 20 90 24 59 16 53 36 36	3 oss 0 6 0ea 0ea 0 6 0 3ea 0 7		4 5 2 3 3 3 135 3 2 2 2 3 3 3 4 3 3	3 6 6 6 0 0 9 11 6 6 11 11 6	bathcubes
* * *	Robinade (285 Colman) sachet	14 gro 41 22 31 20 90 24 59 16 53 36 36	3 sss 0 6 0ea 0ea 0 6 0 3ea 0 7 3 1		4 5 5 2 3 3 30 1355 3 3 2 2 2 2 3 3 3 3 4 4 3 3 6 4 4	3 6 6 6 0 9 11 6 6 11 11 6	bathcubes
* * *	Robinade (285 Colman) sachet	14 grac 411 222 31 200 90 90 94 553 366 366 19 39	3 sss 0 6 0ea 0ea 0 6 0 3ea 0 7 3 1		4 5 5 2 3 3 30 1355 3 3 2 2 2 2 3 3 3 3 4 4 3 3 6 4 4	3 6 6 6 0 9 9 11 6 6 11 11 6	bathcubes
* * *	Robinade (285 Colman) sachet	14 gro 41 22 31 20 90 24 59 16 53 36 36 19 336	3 sss 0 6 6 0ea 0ea 0 6 0 0 7 3 1		4 5 2 3 3 3 135 3 3 1½ 6 6 2 2 2 3 3 3 4 4 3 6 6 4 10	3 6 6 6 6 0 9 11 6 6 11 11 6 6 6 0	bathcubes
* * *	Robinade (285 Colman) sachet	14 gro 41 22 31 20 90 24 59 16 53 36 36 19 336	3 sss 0 6 6 0ea 0ea 0 6 0 0 7 3 1		4 5 2 3 3 3 135 3 3 1½ 6 6 2 2 2 3 3 3 4 4 3 6 6 4 10	3 6 6 6 6 0 0 9 11 6 6 11 11 6 6	bathcubes 6 soap 3 0 3 0 3 0 3 3 0 3 3 3 3 0 3 3 3 3 3
* * *	Robinade (285 Colman) sachet	14 gro 41 22 31 20 90 24 59 16 53 36 36 19 336	3 sss 0 6 6 0ea 0ea 0 6 0 0 7 3 1		4 5 2 3 3 3 135 3 3 1½ 6 6 2 2 2 3 3 3 4 4 3 6 6 4 10	3 6 6 6 6 0 9 11 6 6 11 11 6 6 6 0	bathcubes
* * *	Robinade (285 Colman) sachet	14 gro 41 22 31 20 90 24 59 16 53 36 36 19 39 61 336 5	3 sss 0 6 6 0ea 0ea 0 6 0 0 7 3 1 0 0 0		4 5 2 3 3 30 1355 3 3 1½ 6 6 4 10 42 5 5	3 6 6 6 6 0 9 11 6 6 11 11 6 6 6 0 9	bathcubes
* * * * * *	Robinsons (285 Colman) sachet	14 gro 41 22 31 20 90 24 59 36 36 19 39 61 336 5	3 oss 0 6 6 0ea oea 0 6 0 3ea 0 7 3 1		4 5 2 3 3 30 1355 3 3 1½ 6 6 4 10 42 5 5	3 6 6 6 6 0 9 9 11 6 6 11 11 6 6 6 6 0 9 9	bathcubes 6 soap 3 c 3 d 6 soap 7 d 6 soap 3 d 7 heodrox (1061 Riker) 25 36 0 9 0 5 3 d 100 108 0 with phenobarbitone 25 40 0 10 0 5 10 p1s1s4 100 112 0 with phenobarbitone 25 40 0 10 0 5 10 p1s1s4 100 112 0 p1s1s4 Therapas (1154 S&N) code correction 4 Three Flasks (1232 T&R) children's cherry cough syrup 2½ oz 12 4 3 1 2 0
* * * * * *	Robinade (285 Colman) sachet	14 gro 41 22 31 20 90 24 59 16 53 36 36 19 336 5 336 5	3 sss 0 6 6 0ea 0ea 0 6 0 0 7 3 1 0 0 0		4 5 2 3 3 30 1355 3 3 1 ½ 6 4 10 42 5 5 3	3 6 6 6 6 0 9 11 6 6 11 11 6 6 6 6 0 9 9 3 6 6 6 6 6 6 6 6 7 9 9 9 9 9 9 9 9 9 9 9	bathcubes 6
* * * * * *	Robinsons (285 Colman) sachet	14 gro 41 22 31 20 90 24 59 16 53 36 36 19 39 61 336 5	3 sss 0 6 6 0ea 0ea 0 6 0 0 7 3 1 0 0 0		4 5 2 3 3 30 1355 3 3 1½ 6 6 4 10 42 5 5	3 6 6 6 6 0 9 11 6 6 11 11 6 6 6 0 9	bathcubes

Delete	Versenate (1061 Riker) Vitorange (549 Guest) tablets	10 20 76 65	0 0 6		1 2 8	3 6 6
Delete	"Juno" 50 x 30 in "Sylvia" 60 x 33 in "Diana" 60 x 51 in "Sherbourne" 60 x 51 in "Sherbourne" 60 x 51 in "Dorchester" 60 x 51 in "Vigilux" single 65 x 36 in double 72 x 58 in twin 72 x 58 in Wellcome (208 BW) diphtheria prophylactic D.T.P.P. 1 cc 3	43 56 76 71 99 127 187 210	1½ea 3ea 10½ea 3ea 4½ea 6ea 6ea 0ea	10 13 18 17 23 30 45 57	7ea 88 6ea 121 2ea 112 11ea 156 9ea 200	0 2 5 9
	Wright's (1351 WLU) insect killer aerosol air sweetener aerosol moth proofer aerosol wasp killer Xylocaine (394 Duneau)	$ \begin{array}{r} 34 \\ 34 \\ 34 \\ 10 \end{array} $	9 9 9 3		4	0 0 0 7
R	viscous 150 mils Zofiora (1232 T&R) aerosol	$\begin{array}{c} 100 \\ 31 \end{array}$	$\stackrel{0}{6} \stackrel{\dots}{\dots}$		12 3	6 9

ADDITIONS TO KEY TO SUPPLIERS:

ADDITIONS TO KEY TO SUPPLIERS:

(2 Abbott) = ABBOTT LABORATORIES LTD., 8 Baker Street, London, W.1. Hunter 1381.

(48 AP) = ANDRE PHILIPPE LTD., 16 Cosway Street, N.W.1.

(150 Bourjois) = BOURJOIS LTD., Queens Way, Croydon, Surrey.

(234 Cartwright) = W. B. CARTWRIGHT, LTD., Rawdon, Leeds, Rawdon 713/6.

(406 WE) = WILLIAM EDGE & SONS, LTD., Raphael Street, Bolton, Lanes. Higher Bolton 41201.

(499 Richter) = GEDEON RICHTER (GT. BRITAIN) LTD., Richter House, 14 Weedington Road, N.W.5.

(596 HR) = HELENA RUBINSTEIN LTD., 3 Grafton Street, W.1.
 (654 Innoxa) = INNOXA (ENGLAND) LTD., 1 Eden Street, N.W.1.
 (677 JK) = JOSEPHINE KELL, LTD., 24 Old Bond Street, London, W.1.
 Hyde Park 7353.

Hyde Park 7353.

(797 MSG) = MARIA ST. GEORGE LTD., 12 Phillimore Terrace, W.8.

(809 M&W) = MATTHEWS & WILSON, LTD., 45 Morrish Road, London, S.W.2. Tulse Hill 5881.

(816 Mayborn) = MAYBORN PRODUCTS LTD., Dylon Works, Berrymans Lane, London, S.E.26. Sydenham 4422.

(830) Medo) = MEDO-CHEMICALS, LTD., 144 Fortess Road, London,

(810 Mayuchan, mans Lane, London, S.E.26. Syuchman, mans Lane, London, S.E.26. Syuchman, M.W.5. Gulliver 3352.

(830) Medo) = MEDO-CHEMICALS, LTD., 144 Fortess Road, London, N.W.5. Gulliver 3352.

(831 Meggeson)=MEGGESON & CO., LTD., Llewellyn Street, London, S.E.16. Bermondsey 1741.

(890 NC & C) = NEWTON CHAMBERS & CO., LTD., Thorncliffe, Sheffield. Ecclesfield 3171.

(944 PCP) = P C PRODUCTS, LTD., 33 Union Street, London, S.E.1. HOP 2841.

(1028 Rapidol) = RAPIDOL LTD., Inecto House, 27 Dover Street, W.1.

(1123 Secto) = SECTO LTD., Shaw Street, Blackburn, Lancs.

(1242 Tonl) = TONI COSMETICS, Harlequin Avenue, Brentford, Middlesex, Isleworth 4343.

(1272 VB&G) = V. B. & G. PRODUCTS, 16 Queen Street, Leicester. Leicester 59413.

Street, London, W.8.
(1388 Durazone) = DURAZONE (SALES), LTD., Lovers Walk, Ballards
Lane, London, N.3.
(1389 Velvet) = VELVET CREPE PAPER CO., LTD., Alperton, Middle-

(1390 SFA) = SAFETY FIRST AID CO., LTD., 12 Duke Street, London, S.W.1.

(1391 CHB) = CHB SUPPLIES, Market Chambers, Market Place, Black-

(1391 CHB) = CHB SUPPLIES, Market Chambers, Market Place, Blackheath, Birmingham.
(1392 TT) = TEDSON THONLEY & CO., LTD., Rochdale, Lancs.
(1396 Plantoid) = PLANTOIDS LTD., 153 Masons Hill, Bromley, Kent.
(1395 Purser) = PURSER'S LONDON (HOLBORN) LTD., 12 Fulwood
Place, W.C.1.
(1393 Hazlewood) = HAZLEWOOD & SONS, LTD., Factory Lane,
Derby Road, Widnes, Lancs.

C. & D. RETAIL AND DISPENSING PRICE LIST

The drug index for February was 209.8

							1.
Cost			Item	16 oz.	4 oz.	1 oz.	1 dr.
	d.	per		s. d.	s. d.	s. d.	s. d.
	76	100 gm.	Acid. tannic			3 3	0 6
	57	25 gm.	Barbitonum, B.P. '53 B only			_	1 2
	59	25 gm.	Barbitonum sodium R only		_		1 2
	171	500 gm.	Cetomacrogol 1000, B.P.C	_	5 6	1 8	$\begin{array}{ccc} 1 & 2 \\ 0 & 3 \end{array}$
	45	500 gm.	Crem. zinci, B.P	5 1	1 5	0 5	0 1
	31	25 gm.	Eucalyptol			4 1	0 7
	63	100 mils	Ext. papaveris liq P.I.(9)		_	2 8	0 5
	168	500 mils	Ext. stramonii liq. S.1. (5)		5 5	1 8	0 3
	30	500 mils	Liq. ferri perchlorid		0 111	0 31	_
	56	500 mils	Liq. iodi aquos		1 10	$0.6\frac{1}{2}$	0 1
	84	500 mils	Liq. strych, hydrochlor. S.1. (5)		2 8	0 10	$0 1\frac{1}{2}$
	53	100 mils	Ol. citronellæ (Ceylon)			2 3	0 4
	36	1 pt.	Ol. lini opt	3 8	1 0	0 31	
	40	25 gm.	Pancreatinum			5 8	0 10
	28	500 gm.	Paraffinum dur	3 2	0 11	0 31	_
	159	500 gm.	Phenacetinum		5 1	1 7	$0 2\frac{1}{2}$
	54	500 gm.	Plumbi acetas P.I.(8)		1 9	0 63	0 1
	102	500 gm.	Potassii phosph. acid		3 3	1 0	0 11/2
	81	250 gm.	Pulv. rhei co., B.P. '53	<u>.</u>		1 7	0 21
	102	500 gm.	Pulv. tragacanth. co		5 2 3 3	1 0	$\begin{array}{ccc} 0 & 2\frac{1}{2} \\ 0 & 1\frac{1}{2} \end{array}$
	54	500 gm.	Sodii et potass. tart		1 9	0 61	0 1
	99	500 gm.	Sodii hydrox. (sticks) P.II.(15)	11 3	3 2	0 111	$0 1\frac{1}{2}$
	75	500 mils	Syr. rubi idæi, B.P.C		2 5	0 81	0 1
	68	25 gm.	Theobromin., B.P.C.				1 5
	62	25 gm.	Theobromin. et sod. sal.		_	8 9	1 3
	120	500 mils	Tinct. aconiti, B.P.C. '49 S.1. (5)		3 10	1 2	0 2
	57	500 mils	Tinct. ferri perchlor., B.P.C. '49		1 10	0 64	0 1
	90	500 mils	Tinct. hyoscyami		2 11	$0.10\frac{1}{2}$	0 11/2
	180	500 gm.	Ung. hydrarg. co		5 9	1 9	0 3
		8	0.00				

The bold letters and figures at left of dispensing price relate to the classification of poisons in The Chemist and Druggist *Poisons Guide*.

CONTEMPORARY THEMES

Subjects of contributions in current medical and technical periodicals.

BERGAMOT OIL. the consortium and industry. S.P.C., March.

ETHIDIUM BROMIDE, Contagious conjunctivo-keratitis of sheep, treatment with. Vet. Rec., March DITHIAZININE, treatment of trichuriasis. Brit. med. J., March 12.

FLUORIDATION: The present position. Lancet, March 12.

HYDROCORTISONE HEMISUCCINATE SODIUM, Recurrent mikulicz's aphthae treated with. Brit, med. J., March 12,

β-HYDROXYBUTYRATE, effect of injections of, on the pancreatic activity of guinea pigs and rats.

Nature, March 12. IRON-DEXTRAN: Carcinogenic risks of. Brit med. J., March 12.

ADENOSINE PHOSPHATES and 5'-ADENYLMETHYLENE-DIPHOSPHONIC ACID. Vasodepressor effect of. Nature, March 12.
Addiction to drugs, Lancet, March 12.

ANTIBODY PRODUCTION. Nature, March 12.

ANTIBODY INHIBITOR, Nature, March 12.
BEPHENIUM CHLORIDE in the treatment of Ancylostoma caninum infections in dogs, Vet. Rec.,

N-(SUBSTITUTED AMINOACYL)—CHLOROTOLUIDINES, synthesis and pharmacology of, J. Amer. pharm, Ass. February.

TELEVISION

Figures in the columns represent number of appearances of the product during the week.

March 27 to April 2	London	Midland	North	Scotland	Wales	South	N.E.	Anglia	Ulster
Alka-Seltzer	2	2	2	2	2	2	2		_
Anadin	4	4	3	—	—	4	5	—	_
André Philippe lacq.	-		_	_	_	_	—	_	1
Anne French	2	_	—	—	—	—	—	—	_
Askit	—	_	—	12	—	—	—	_	7
Aspro	3	2	3	2	4	2	2	_	_
Bengers food	_	_	—	—	_	_	2		
Bisodol	—	_		_	—	—		-	7
Citroze	1		_	_	_	-	—	_	
Coty preparations	1	1	1	_	_	1	1	_	_
Dixor products	2	3	—	—	2		—	_	_
Euthymol	1	1	1	1	1	_	1	1	-
Fynnon salts	_	_	_	—	—	—	—	1	_
Germolene	1	1	1	_	—	÷	1	4	_
Glovelies	—	—	—	—	—	2	_	_	_
Hi-Glo	3	3	3	_	3	3	3	_	_
Horlicks	1	1	1	1	1	1	1	1	1
Imperial Leather	2	1	1	1	2	2	2	2	2
Loxene shampoo	1	1	1	1	1	1	1	1	1
Loxene hair cream	1	_	—	—	_	1	-	1	_
Marigold baby pants	_	1	1	_	_	—	_	_	_
Marigold gloves	7	7	6	2	—	1	2	3	2
Max Factor	3	3	3	3	3	3	3	3	3
Milk of Magnesia tab,	1	_	_	1	1	_	_	1	_
Phyllosan	_	_	1	—	1	—	_	_	1
Preparation "H"	_	_	1	—	_	_	_	_	_
Rinstead pastilles	1	1	1	1	3	_	2	_	1
Sebbix shampoo	2	2	2	2	2	2	2	2	_
Sentor	1		_	_	_	_			-
Setlers	-		—		_	_	_	—	1
Silvikrin erm. sham.	4	10	11	10	9	1	9	8	_
Sun Orange Quosh	_	—	-	-	1	-	-	-	_
Twink home "perm"	4	4	4	4	4	4	4	4	4
Valderma balm	3	-	-	-	-		-	_	_
Vaseline jelly	-	-			3	-	_	_	-
medicated shampoo	4	1	4		—	-	-	—	-



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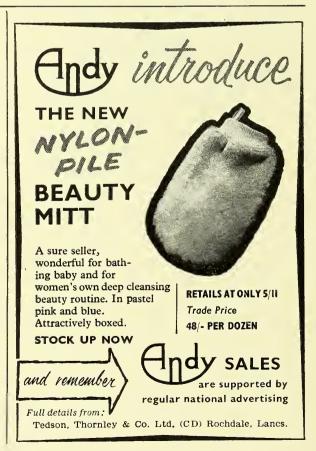
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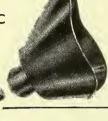
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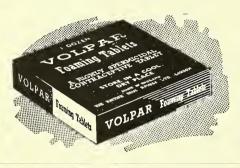
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'Volpar' Foaming Tablets	Carton of 1 doz.	1/10	2/9
'Volpar' Paste and applicat	or in carton	4/2	6/3

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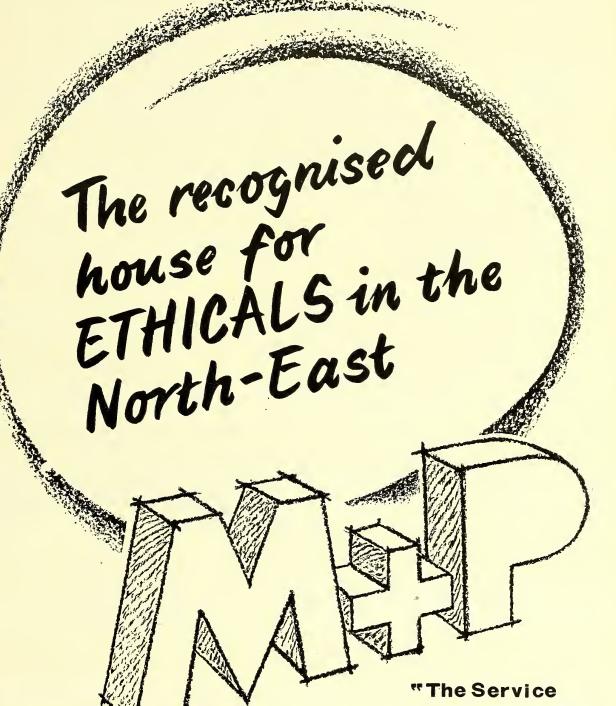
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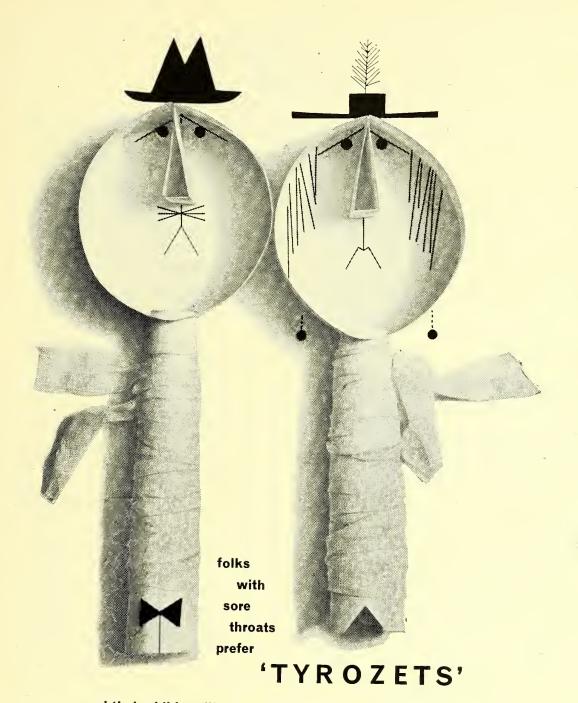
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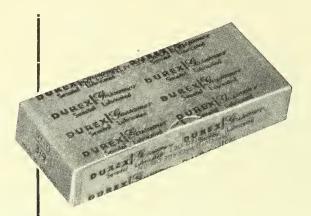
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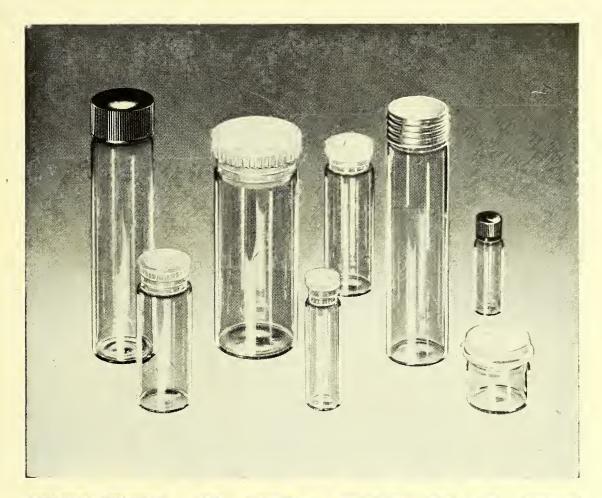
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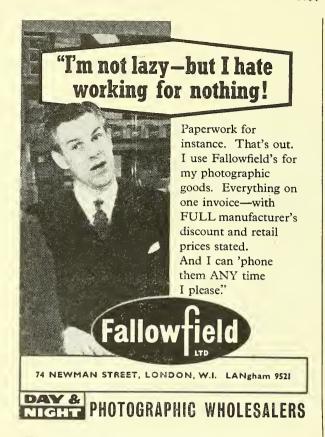


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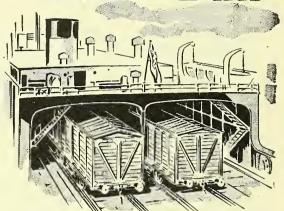
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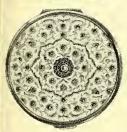




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C 5256

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C 514

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C 2730

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PHARMACIST

Applications are invited from pharmacists or graduates in pharmacy for a position which involves development work on sterile and other products for work on sterile and other products for veterinary and pharmaceutical purposes including aerosols. This position offers scope for a man with wide interests, capable of putting original ideas into practice.

Working conditions are excellent in a new factory and a Pension and Life Assurance Scheme is in operation. Please apply in writing to:—

The Secretary, Walter Gregory & Co., Ltd., Wellington, Somerset.

C: 2802

STOCKTAKER (resident in London area) with some retail or wholesale experience (not necessarily in stocktaking itself) required by well-known firm of professional Valuers; good basic salary which will be supplemented by a bonus. The position also offers excellent prospects in return for efficient service. Please write, initially, under guaranteed assurance of confidence, with brief details of career to date and stating present salary to Box C 505.

Situations Vacant—Continued

PROCESS WORKER experienced in the manufacture of tinetures, infusions and ointments, required by one of the leading London Manufacturing Chemists. Box C 5261.

PROCESSING CHEMIST

Aspro-Nicholas Limited wish to appoint a Processing Chemist

A qualified chemist (A.R.I.C.) or pharmacist is required to understudy the Processing Manager,

Processing Manager.
This opening will appeal to a young graduate wishing to make a career in production management, and offers exceptional prospects of advancement. Some relevant experience would be an advantage, although a comprehensive training will be given.

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A four figure starting satury arrange right man.

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Please apply in writing stating age, experience and qualifications to the Personnel Manager, Aspro-Nicholas Limited, 225 Bath Road, Slough, Rucks.

C 5244

REPRESENTATIVE required by manufacturers of branded products of world-wide repute, established over 90 years. An extensive connection already exists with Druggists' Sundry Wholesalers. Applicant must have a thorough knowledge of this trade and be prepared to cover the whole of the British Isles. Only men of outstanding sales ability and pleasing personality will be considered. Give full particulars of previous experience, age and remuneration expected. Factories and Head Office in Midlands. Box C 5253.

TABLET MAKER to manage department, experience with rotary- and single-punch machines and coating pans. Modern works in the Midlands. Box C 5257.

lands. Box C 5257.

TRAVELLING SALES REPRESENTATIVE required by International Cosmetic House to call on their selected agents in Yorkshire, Lancashire, Durham and Northumberland. Previous cosmetic experience essential. Must be over 25 and reside in territory. Current driving licence, car provided. An excellent opportunity for gentleman desirous of making a career in cosmetics. Own staff have been advised. Write in confidence giving fullest details of qualifications, education, career to date and present salary to Box C 5263.

Box C 5263.

VITAMINS LIMITED require a production pharmacist. Applications are invited for the post of Production Pharmacist at the Vitamins Group factory in Crawley, Sussex. The person appointed will undertake special duties in the Pharmaceutical Production Depts. Working conditions are excellent and rented accommodation is available. Applications should be addressed to Personnel Officer, Production, Vitamins Group, Crawley, Sussex.

C 5251

WORKS MANAGER required by fine chemical manufacturing company in Home Counties, B.Sc. hons. or equivalent degree with some years' experience in factory. Starting salary not less than £1,300 per annum, Pension fund and profit-sharing scheme in operation. This is a company with many ideas for future development and the successful applicant will be expected to shoulder responsibility and to cooperate fully with the company's consultants and to be able by his efforts to ensure his income keeps pace with the company's future growth. Youth is not a liability. All replies confidentially to Managing Director. Box C 5233.

AGENTS WANTED

AGENTS required for all areas except Lancashire, Cheshire, North Wales and Ireland, for advertised products with a future. Apply: Roberts Chemists (Bond Street), Limited, 76 New Bond Street, London, W.1. Mayfair 4173. C 2795



BURROUGHS WELLCOME & CO.

Burroughs Wellcome & Co. have a vacancy for a pharmacist (preferably aged 30—40), with a sound knowledge of current therapeutics and the ability to write lucidly, to work as Assistant to their Medical Information Officer. The work is varied and interesting and calls for a high degree of initiative. Duties include the selection of information for use within the Sales Unit and its explicit presentation. Applications (by letter only) will be treated in confidence. They should give full details of experience etc. and be addressed to:

The Personnel Manager.

The Wellcome Foundation Ltd., 183 Euston Road, London, N.W.1

C 5255

AGENTS WANTED. London and Home Counties, South Coast, East Coast, West Country. Established connections, Good-class photographic chemists, New and selling photo lines, Excellent commission. Please supply details other lines carried and territory. Box C 2773.

FIRST-CLASS AGENTS required for nationally advertised baby line, with progressively increasing turnover, Please indicate lines carried and area covered. Box C 5239.

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THE CREATORS of the well-known NOVELTY HAIR ROLLERS "Fabulo" brand, require a Representative who is calling upon Wholesalers and preferably upon Stores and other big buyers in the London area; must be well introduced, Old customers will be passed on. For a short time good commission and afterwards, if so required, Commission and Salary, Applications with References to Box C 5252.

TWO OR THREE first-class sell-on-sight counter lines, especially suitable for the summer season trade, offered by established manufacturers to agents (firms or individuals) calling on chemists, hairdressers, etc., on buying or generous commission terms. Box C 2803.

SITUATIONS WANTED

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SOUTH COAST. Assistant (male) dispensing, D, & P., wide experience, available now part-time. Seasonal work from and including time. Seasonal work fr Easter onwards. Box C 2789.

WHOLESALE

ADVERTISING: Freelance copywriter of outstanding creative ability can accept further work of a medical and chemical nature. Box C 2731.

PUBLIC school educated pharmacist, 27, with retail and wholesale experience, requires progressive position with wholesale or manufacturing company. Box C 2790.

WHOLESALE/RETAIL, nearly forty years of management, home and abroad, private and multiple. Preferably London, S.E. England, Box C 2757.

YORKSHIRE area, energetic salesman, own car, large live connection wholesale, co-ops and retail, open to represent reputable company. Commission only terms considered. Box C 2693.

AGENCIES WANTED

AGENT and distributor for chemists and allied trades would welcome contacts with importers and manufacturers wishing to improve oppromote business in Cork City and district—Republic of Ireland. Job lines a speciality, Write to: Michael MacManus, Ph.C., L.P.S.I., 40 Marina Park, Cork, Eire.

FRANCE. British agent visiting the trade would like to contact makers of surgical gloves, needles, etc. Please reply Box C 2799.

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A BARGAIN. — £25 complete, BRAND NEW READY-MADE COMPANY REGISTRATIONS. GUARANTEED NO TRADING (England and/or Scotland), all trades available now, including Chemists; Fancy Goods; Photography; Investment: General Merchants and all other trades. Write, phone or call (for English Registrations)—Business Economy Co., Regns., Ltd. (Dept. T/9), 156 Strand, London, W.C.2. (Tem. 8377/2294); (for Scottish Registrations) to 19 Walker Street, Edinburgh, 3. (Cal. 1167/9); Read "Advantages of Trading as a Limited Company" (3/- post free); Ltd. Co. may save you tax, We also have seven day Company Registration with your own choice of name, £21 complete, plus stamp duties.

AMPLE manufacturing facilities available for a variety of chemical and allied products. Any proposition investigated and strictest confidence observed, Write Box C 2794.

CAPACITY AVAILABLE for envelope filling of any free-flowing material. Fully automatic plant. Send your enquiries to Box A.C. 13297, Samson Clarks, 57-61 Mortimer St., London, 683,

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WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large. Our representative will call anywhere. Write or telephone:—Lawrence Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Road, London, W.11. Tel.: Bayswater 4020 and 7692. C 140

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Most of these vacancies do not involve staying away from home. The territories concerned are:-

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Women Pharmacists should not consider themselves necessarily ineligible for these appointments. In fact, if any woman pharmacist is interested and would like to know more about medical representation, arrangements can be made for a local interview with one of our established lady representatives.

C 5217

Wanted—Continued

URGENTLY required for cash, chemists' surplus stocks, bulk or part, particularly toilets, cosmetics, sundries, discontinued manufacturers' tines welcomed. Films, photographic equipment, sunglasses, binoculars, electric razors, Christmas coffrets and fancy goods, etc. Write immediately to Box C 521.

SURPLUS CAMERAS, ENLARGERS, CINE CAMERAS & PROJECTORS, PHOTOGRAPHIC EQUIPMENT OF EVERY DESCRIPTION, SURPLUS AND OUTDATED FILM & PAPER, LARGE OR SMALL QUANTITIES. Phone, write or call:—

SPEARS
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Manchester.

Phone: Deansgate 7705 (3 lines) Bankers: Midland Bank, Ltd.

C 438

PATENTS

IT IS DESIRED to secure the full commercial development in the United Kingdom of BRITISH PATENT No. 721514 which relates to "A Therapeutic Preparation for Oral Administration" either by way of the grant of licences or otherwise on terms acceptable to the Patentee. Interested parties desiring copies of the patent specifications should apply to STEVENS, LANGNER, PARRY & ROLLINSON, 5 to 9 Quality Court, Chancery Lane, London, W.C.2. C 5229

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STOCKTAKING: Experienced persons invited to forward applications for work on percentage basis. State area. Smith & Warnes, Ltd., 10 Station Parade, Balham, S.W.12. C 2786



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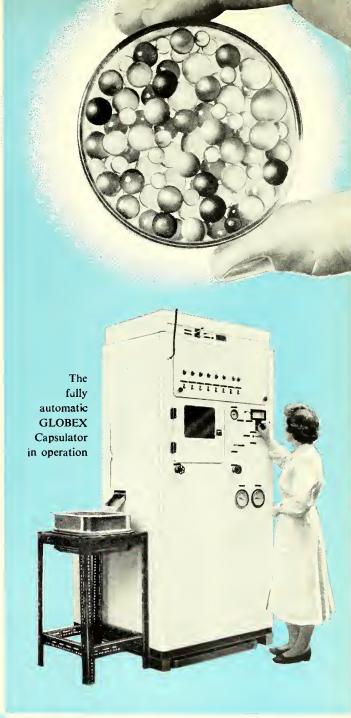
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